PREPARED BY:



65 MILLET STREET 802.434.4500

Fax: 802.434.6076

SUITE 301 RICHMOND, VT 05477 WWW.ECSCONSULT.COM

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## **EXECUTIVE SUMMARY**

Environmental Compliance Services, Inc. (ECS) performed the June 2006 annual monitoring event and quarterly free product monitoring and recovery events on 12 April, 20 June, 16 August, and 16 November 2006 at Walker Motors, located at 265 River Street in Montpelier, Vermont. This work was performed at two areas of the site: differentiated as the auto body shop and the parts department. In May 2004, ECS excavated 283 cubic yards of contaminated soil north of the auto body shop, where #2 fuel oil free product was encountered in five on-site monitoring wells. This monitoring event also included sampling of monitoring wells installed following the removal of a fuel oil underground storage tank (UST) near the parts department. ECS's findings related to this work are summarized as follows:

- Based on the hydrogeologic data, the groundwater in the unconfined surficial aquifer at the auto body shop appears to flow generally northeast and then shifts eastward toward the Winooski River. Groundwater at the parts department flows generally southeast toward the Winooski River. Groundwater flow directions at each area of the site are consistent with previous sampling events.
- During this monitoring period, no volatile organic compounds (VOCs) were detected in water collected from the on-site catch basin sample CB-5, located approximately 175 feet downgradient from the auto body shop. VOCs, along with an oily sheen, have been detected in this catch basin previously. Discharge from this catch basin eventually daylights to a shale between Route 2 and the railroad tracks, and eventually the Winooski River.
- MW-6A, located within the excavation at the auto body shop, and PD-2R, located at the parts department, contained free product during the each quarterly monitoring event. Free product thickness ranged from 0.07 to 3.1 feet. Approximately 1900 milliliters (mL) (or ½-gallon) of free product were manually recovered during the four monitoring events.
- Groundwater samples were collected from thirteen selected site monitoring wells. Vermont Groundwater Enforcement Standards (VGESs) were exceeded for one or more petroleum-related VOCs in six of the thirteen sampled wells, all of which were on-site wells.
- No VOCs were detected in monitoring wells downgradient of the auto body shop, suggesting that there is minimal contaminant transport in the surficial aquifer in this area of the site. These wells included on-site monitoring wells MW-8 and MW-12 and off-site monitoring wells MW-15, MW-17, and MW-19, located adjacent to and downgradient of the railroad tracks. However, it is possible that underground utility lines, such as water, sewer, and stormwater, could be acting as preferential pathways for contaminant migration.
- No VOCs were detected in surface water samples SW-1 and SW-2 collected along the swale and railroad tracks located across U.S. Route 2 downgradient of the auto body shop. SW-1 is located at the culvert discharge in the swale, which receives stormwater from the site including catch basin CB-5.
- Three of the five sampled monitoring wells at the parts department exceeded one or more VGESs. The downgradient extent of dissolved phase petroleum contamination has not been defined and may extend off the property beneath Route 302. Contaminant concentrations appear to be stable or deceasing in most wells; however, total benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations appear to fluctuate with groundwater elevation in PD-3R and DEC-1. Free product thickness was the highest in PD-2R since monitoring began during the April and August 2006 site visits. The source of contamination (i.e. UST) has been removed and the increase does

## **EXECUTIVE SUMMARY**

not appear to correlate with the water table elevation. However, petroleum-contaminated soils impacted by the former UST are likely a continual source of contamination.

Based on the conclusions stated above, it is the opinion of ECS that the site does not meet the criteria of a Sites Management Activities Completed (SMAC) designation because of the presence of free product and the exceedance of VGESs at compliance point monitoring wells. ECS recommends that annual groundwater monitoring and quarterly free product recovery be continued at this site in 2007. In addition, ECS offers the following recommendations to expedite site cleanup and reduce overall project costs:

- 1. ECS will develop a work plan and cost estimate to perform high intensity targeted multiphase extraction<sup>1</sup> (MPE HIT) in the vicinity of MW-5A and MW-6A at the auto body shop and at PD-2R at the parts department. This typically involves a series of one-day events spread out over a defined schedule. MPE was evaluated during the CAFI and was retained as a potential viable technology; however, soil excavation was determined to be more feasible. This technology would include the installation of several larger diameter monitoring wells to be used as extraction wells with a drilling rig capable of penetrating the first few feet of bedrock at the auto body shop.
- 2. The extent of possible off-site contamination should be evaluated at the parts department. Several hand-installed monitoring wells could be installed along the swale/railroad tracks east of Route 2.
- 3. The 55-gallon drum used to store spent booms is full. ECS recommends the proper disposal and replacement of this drum in 2007.

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<sup>&</sup>lt;sup>1</sup> Impacted groundwater is recovered utilizing recovery wells and an applied vacuum. A vacuum truck is used to periodically remove petroleum-impacted groundwater and LNAPL in the saturated zone and VOC constituents in the unsaturated zone, and to augment the recharge rate for the recovery wells. In addition, airflow is induced through the unsaturated zone permitting biodegradation of any residual petroleum constituents.

# 1.0 INTRODUCTION

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Environmental Compliance Services, Inc. (ECS) has performed the June 2006 annual monitoring event and quarterly free product monitoring and recovery events on 12 April, 20 June, 16 August, and 16 November 2006 at Walker Motors, located at 265 River Street in Montpelier, Vermont (Figure 1). Petroleum contamination was first discovered at the site following the removal of a gasoline underground storage tank (UST) in 1988 adjacent to the parts department. One well (designated DEC-1) was installed in the UST grave by the State of Vermont. In April 2003, petroleum contamination was detected during the removal of one 4,000 gallon #2 fuel oil UST adjacent to the auto body shop. Subsequent investigations included drilling 28 soil borings, installing 20 monitoring wells, and monitoring the free-product plume. In May 2004, ECS excavated 283 cubic yards of contaminated soil north of the auto body shop, where #2 fuel oil free-phase product was encountered in five on-site monitoring wells.

The monitoring event also included sampling monitoring wells located adjacent to the parts department of the main facility, where a separate dissolved-phase contamination plume was discovered following the removal of a second 4,000-gallon #2 fuel oil UST on 3 October 2003. Ten soil borings and six monitoring wells were installed in the vicinity of the former UST.

The site is currently occupied by an automobile dealership. The main showroom is located on U.S. Route 2 at its intersection with U.S. Route 302. The auto body shop is located at a higher elevation (approximately 30 feet) behind the showroom. New cars and trucks for sale are parked northwest of the main showroom and additional vehicle parking is south of the building, adjacent to the parts department. On 11 November 2004, four monitoring wells near the parts department were replaced by Walker Motors following site remodeling activities. The surrounding properties are primarily commercial buildings located off U.S. Routes 2 and 302. The site and nearby properties are served by municipal water and sewer connections. The ground surface at the auto body shop slopes to the north and northeast, toward the Winooski River. The former Grossman's Lumber building (now vacant) is located across U.S. Route 2, east and downgradient of the auto body portion of the site. The former Allison Transmission building (recently razed) was located across U.S. Route 302 southeast and downgradient of the parts department.

It appears that the May 2004 contaminated soil excavation at the auto body shop was successful at reducing the free product observed at the upgradient end (south end) of the source area. No measurable free product has been observed in MW-1A since November 2004, in MW-3 since May 2005, and in MW-5A since January 2006. Based on the contaminant concentrations in MW-3, ECS does not believe that there is a significant amount of contamination beneath the auto body shop building. Free product in the source area at the auto body shop may migrate into the bedrock during low water table seasons. There is some correlation between the low water table and free product thickness observed in MW-5A and MW-6A. Furthermore, the petroleum-contaminated soil left in place surrounding the water and sewer lines straddling MW-6A may also be a source of free product recurrence in this area.

At the auto body shop area, contaminated groundwater appears to be migrating along the bedrock surface and has been observed in former downgradient catch basin CB-3 (which has been removed) and CB-5. The presence and/or extent of bedrock contamination have not been evaluated. Our original conceptual site model has petroleum-related contamination from the auto body shop UST area migrating and entering CB-3 at the overburden-bedrock interface and traveling in the subsurface drainage system to CB-5 and eventually discharging to the off-site swale along the railroad tracks. Based on field observations in 2005 and 2006 of a petroleum odor and oily sheen, it appears that the piping from CB-3 to CB-5 remains in place and is receiving some petroleum-impacted groundwater.

# 2.0 SITE MONITORING

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## 2.1 GROUNDWATER CHARACTERISTICS

Based on the hydrogeologic data, the groundwater in the unconfined surficial aquifer at the site appears to flow generally northeast at the auto body shop then turns eastward toward the Winooski River. The average horizontal hydraulic gradient is approximately 14 percent at the auto body shop and 4 percent between the dealership and the swale. Groundwater at the part's department flows generally southeast toward the Winooski River at an average horizontal hydraulic gradient of 7 percent. This is consistent with previous monitoring events. The vertical groundwater flow components at the site, and the hydraulic relationship between the shallow unconfined aquifer and the bedrock aquifer, are currently unknown.

Fluid levels were measured in the monitoring wells on 20 June 2006 to calculate the groundwater flow direction. Depth to groundwater in the monitoring wells ranged from 2.18 feet (MW-15) to 9.25 feet (MW-8) below top-of-casing. Monitoring well MW-7, located northeast of the auto body shop, was dry during the June 2006 event.

Static water-table elevations were computed for each monitoring well by subtracting the measured depth-to-water readings from the surveyed top-of-casing elevations, which are relative to a previously set datum of 98.67 feet. Water-level measurements and elevation calculations are presented in Table 1. A groundwater-table contour map was prepared using these data (Figure 3).

## 2.2 GROUNDWATER SAMPLING AND ANALYSIS

Groundwater samples were collected from thirteen selected monitoring wells for laboratory analysis via EPA Method 8021B on 20 June 2006 (Figure 4). The wells from the part's department are designated PD-1 through PD-6 to avoid confusion with the monitoring wells at the auto body shop. Monitoring wells MW-6A and PD-2R were not sampled due to the presence of free-phase product (see Section 3.3). Monitoring well MW-7 was dry during the sampling event. Monitoring wells MW-9, MW-11, MW-14, MW-16 and MW-20 were not sampled due to the limited number of samples specified in the approved scope of work dated 24 March 2005. MW-10 was filled with sediment and could not be sampled.

Vermont Groundwater Enforcement Standards<sup>2</sup> (VGESs) were exceeded for one or more petroleum-related compounds in six of the twelve sampled wells. Three of these wells are in the vicinity of the parts department, and three of these wells are located in the vicinity of the soil excavation at the auto body shop.

No VOCs were detected in on-site monitoring wells MW-8, MW-12, PD-1R, and PD-6. The VOC 1,2,4-Trimethylbenzene was detected in MW-19 at 1.3 micrograms per liter ( $\mu$ g/L), which is below the VGES<sup>1</sup>. No VOCs were detected in off-site monitoring wells MW-15 and MW-17, located adjacent to the swale. Analytical results are included in Table 2 and laboratory report forms are included in Appendix A. Timeseries graphs showing historical data are presented in Figures 5-21.

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<sup>&</sup>lt;sup>2</sup> Vermont Groundwater Enforcement Standards (VGESs) for eight petroleum related VOCs are as follows: benzene - 5  $\mu$ g/L; toluene — 1,000  $\mu$ g/L; ethylbenzene - 700  $\mu$ g/L; xylenes — 10,000  $\mu$ g/L; MTBE, a gasoline additive, - 40  $\mu$ /L; naphthalene — 20  $\mu$ g/L; 1, 2, 4-trimethylbenzene — 5  $\mu$ g/L; and 1, 3, 5-trimethylbenzene — 4  $\mu$ g/L.

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The gasoline-related compounds (i.e. benzene) detected in the parts department wells may be from two gasoline USTs that were removed in 1988. Monitoring well DEC-1 is located in the excavation area of the gasoline USTs, and the dispenser pumps were located upgradient of PD-1R.

Prior to groundwater sample collection, the monitoring wells were purged with a bailer and then sampled using disposable bailers and dropline. PD-6 was sampled using the peristaltic pump due to damage to the well casing that prevents a bailer from entering the well. Purge water was discharged directly to the ground in the vicinity of each well. A trip blank and a duplicate sample were collected to ensure that adequate quality assurance/quality control (QA/QC) standards were maintained. All field procedures were conducted in accordance with ECS standard protocols.

All samples were transported under chain-of-custody in an ice-filled cooler to Spectrum Analytical of Agawam, Massachusetts, where they were analyzed for the possible presence of VOCs by EPA Method 8021B. No VOCs were detected in the trip blank. Analytical results of the duplicate sample collected from MW-5A and labeled "duplicate", were within the EPA reporting limit of 30 percent of the sample results. All laboratory control standards including matrix spikes, method blanks, and quality control analysis were within established laboratory acceptance limits. Table 2 includes the QA/QC analytical results and relative percent difference (RPD) calculations. The laboratory analytical reports are presented in Appendix A. A copy of ECS personnel field notes is included in Appendix B.

## 2.3 FREE PRODUCT MONITORING AND RECOVERY

ECS conducted quarterly free product monitoring and recovery on 12 April, 20 June, 16 August, and 16 November 2006. On 12 April 2006, free product was measured in PD-2R and MW-6A. Approximately 80 milliliters (mL) were recovered from MW-6A and 950 mL was recovered from PD-2R. The free product thickness was 3.1 feet in PD-2R, which is the greatest free product thickness measured at this monitoring well since monitoring began.

On 20 June 2006, free product was measured in MW-6A at the auto body shop and in PD-2R at the parts department. Approximately 75 mL were recovered from MW-6A, and approximately 300 mL of free product was recovered from PD-2R. On 16 August 2006, free product was measured in MW-6A and PD-2R. Product recovery from MW-6A and PD-2R was 50 mL and 350 mL, respectively. The free product thickness in PD-2R was 2.28 feet.

On 16 November 2006, free product was measured in MW-1A, MW-5A, MW-6A, and PD-2R. Product thickness ranged from 0.01 feet in MW-1A and MW-5A to 0.52 feet in PD-2A. Approximately 3 mL were recovered from MW-6A and 90 mL were recovered from PD-2R.

All recovered product was containerized on-site in a 55-gallon drum for eventual offsite disposal. Graphs showing historical trends of free product thickness for MW-1A, MW-2, MW-3, MW-5A, MW-6A, and PD-2R are presented in Figures 22-27.

### 2.4 CATCH BASIN SAMPLING AND ANALYSIS

One catch basin, designated as CB-5, was sampled on 16 August 2006 and analyzed for VOCs via EPA Method 8021B. CB-3, which has been sampled and monitored in the past, was removed during site renovation activities. CB-5 is the next downgradient catch basin from CB-3, which appears to still be connected to CB-3. This stormwater drainage system discharges to a swale located east of Route 2 along the railroad tracks. A 40-ml vial was lowered into the standing water in the catch basin and used to fill

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each sample vial. No VOCs were detected in the catch basin. The previously-installed boom was not replaced during the site visit. Results are summarized in Table 2. The laboratory analytical reports are presented in Appendix A.

### 2.5 SURFACE WATER SAMPLING AND ANALYSIS

Surface water samples (SW-1 and SW-2) were collected along the swale located across U.S. Route 2 from the site (Figure 2) on 20 June 2006 and analyzed for VOCs via EPA Method 8021B. Analytical results are summarized in Table 2. Sample SW-1 was obtained from the culvert discharge area. Surface water flow in the swale was in the opposite direction during this sampling event; therefore, sample SW-2 was collected approximately 50 feet south of the culvert discharge, downgradient of the boom. No VOCs were detected in SW-1 or SW-2; therefore, Water Quality Criteria (WQC) standards for the protection of human health in Class B waters were not exceeded in the sample obtained from the swale area. The laboratory analytical reports are presented in Appendix A.

### 2.6 BOOM REPLACEMENT

A boom has been positioned in the swale downgradient of the culvert outfall between SW-1 and SW-2 to help contain oily sheens. A boom was placed south of the culvert outfall on 20 June 2006 due to the change in surface water flow direction.

The boom in CB-5 appeared to be in good condition during all site visits. Spent booms are placed in a 55-gallon drum for eventual off-site disposal. The boom disposal drum was reported to be full following the November 2006 site visit.

# 3.0 CONCLUSIONS

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Based on the results of the 2006 site monitoring events, ECS concludes the following:

- Based on the hydrogeologic data, the groundwater in the unconfined surficial aquifer at the auto body shop appears to flow generally northeast and then shifts eastward toward the Winooski River. Groundwater at the parts department flows generally southeast toward the Winooski River. Groundwater flow directions at each area of the site are consistent with previous sampling events.
- During this monitoring period, no VOC) were detected in water collected from the on-site catch basin sample CB-5, located approximately 175 feet downgradient from the auto body shop. VOCs, along with an oily sheen, have been detected in this catch basin previously. Discharge from this catch basin eventually daylights to a shale between Route 2 and the railroad tracks, and eventually the Winooski River.
- MW-6A, located within the excavation at the auto body shop, and PD-2R, located at the parts department, contained free product during the each quarterly monitoring event. Free product thickness ranged from 0.07 to 3.1 feet. Approximately 1900 mL (or ½-gallon) of free product were manually recovered during the four monitoring events.
- Groundwater samples were collected from thirteen selected site monitoring wells. VGESs were exceeded for one or more petroleum-related VOCs in six of the thirteen sampled wells, all of which were on-site wells.
- No VOCs were detected in monitoring wells downgradient of the auto body shop, suggesting that there is minimal contaminant transport in the surficial aquifer in this area of the site. These wells included on-site monitoring wells MW-8 and MW-12 and off-site monitoring wells MW-15, MW-17, and MW-19, located adjacent to and downgradient of the railroad tracks. However, it is possible that underground utility lines, such as water, sewer, and stormwater, could be acting as preferential pathways for contaminant migration.
- No VOCs were detected in surface water samples SW-1 and SW-2 collected along the swale and railroad tracks located across U.S. Route 2 downgradient of the auto body shop. SW-1 is located at the culvert discharge in the swale, which receives stormwater from the site including catch basin CB-5.
- Three of the five sampled monitoring wells at the parts department exceeded one or more VGESs. The downgradient extent of dissolved phase petroleum contamination has not been defined and may extend off the property beneath Route 302. Contaminant concentrations appear to be stable or deceasing in most wells; however, BTEX concentrations appear to fluctuate with groundwater elevation in PD-3R and DEC-1. Free product thickness was the highest in PD-2R since monitoring began during the April and August 2006 site visits. The source of contamination (i.e. UST) has been removed and the increase does not appear to correlate with the water table elevation. However, petroleum-contaminated soils impacted by the former UST are likely a continual source of contamination.

# 4.0 RECOMMENDATIONS

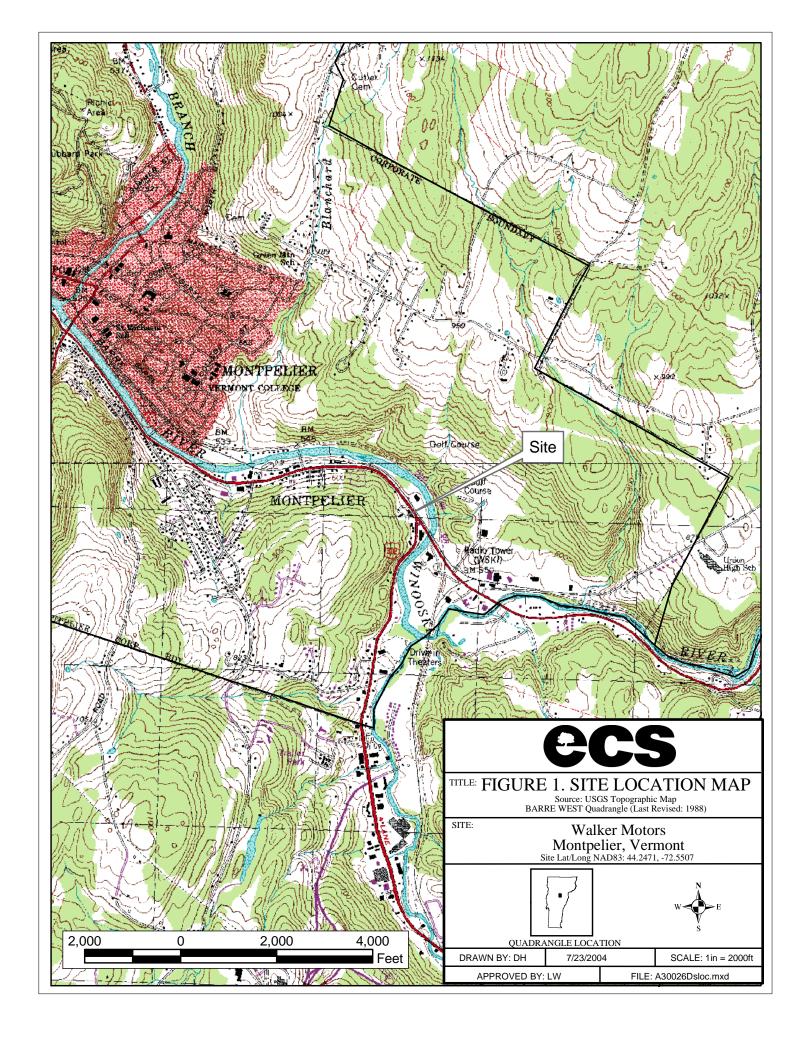
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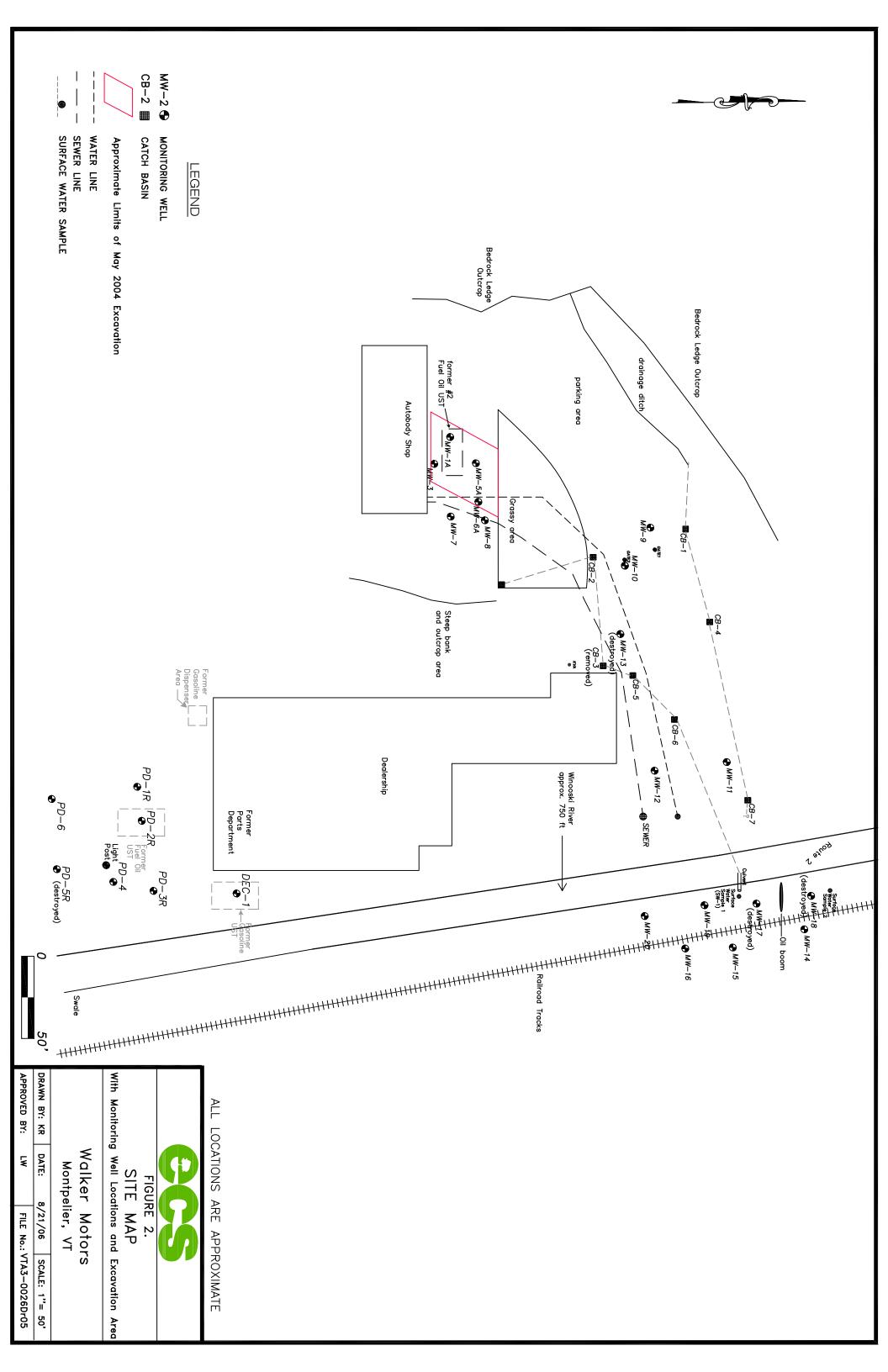
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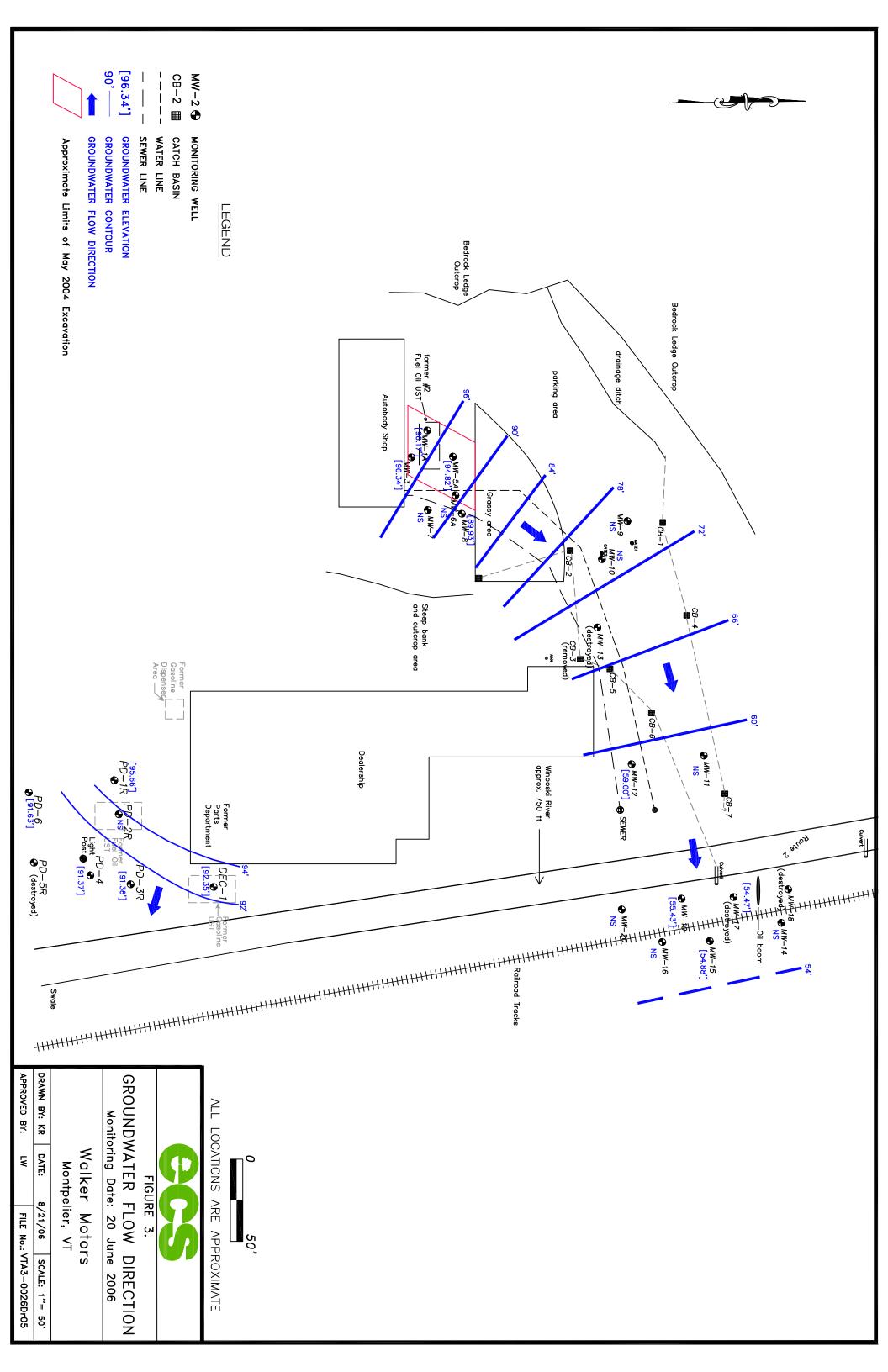
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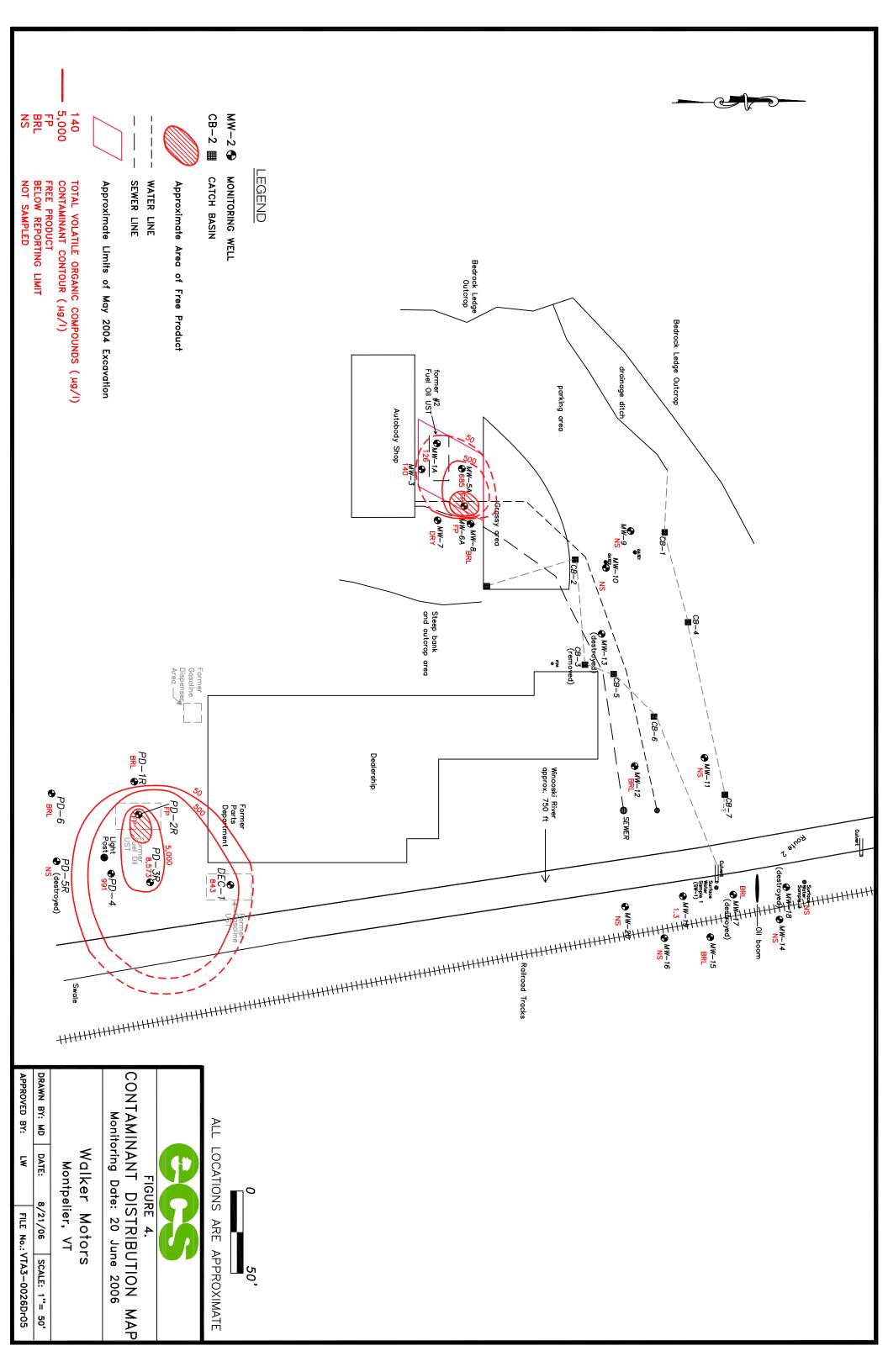
Based on the conclusions stated above, it is the opinion of ECS that the site does not meet the criteria of a SMAC designation because of the presence of free product and the exceedance of VGESs at compliance point monitoring wells. ECS recommends that annual groundwater monitoring and quarterly free product recovery be continued at this site in 2007. In addition, ECS offers the following recommendations to expedite site cleanup and reduce overall project costs:

- 1. ECS will develop a work plan and cost estimate to perform high intensity targeted multiphase extraction in the vicinity of MW-5A and MW-6A at the auto body shop and at PD-2R at the parts department. This typically involves a series of one-day events spread out over a defined schedule. MPE was evaluated during the CAFI and was retained as a potential viable technology; however, soil excavation was determined to be more feasible. This technology would include the installation of several larger diameter monitoring wells to be used as extraction wells with a drilling rig capable of penetrating the first few feet of bedrock at the auto body shop.
- 2. The extent of possible off-site contamination should be evaluated at the parts department. Several hand-installed monitoring wells could be installed along the swale/railroad tracks east of Route 2.
- 3. The 55-gallon drum used to store spent booms is full. ECS recommends the proper disposal and replacement of this drum in 2007.



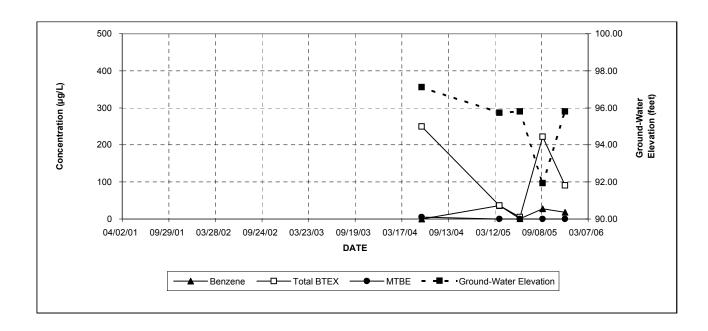






## FIGURE 5. MW-1A **VOC Concentrations**

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
06/02/04	ND<5.0	14.8	31.1	204	250	5.1	72.6	167	72.0	97.11
03/30/05	36.4	BRL<20	BRL<20	BRL<60	36.4	BRL<20	36.8	91	34.4	95.73
06/17/05	1.0	BRL<1.0	BRL<1	4.4	5.4	BRL<1	1.2	3.8	1.9	95.80
09/12/05	28.0	6.4	36.6	150.6	221.6	BRL<5	51.5	183.0	102.0	91.94
12/08/05	18.4	BRL<5	17.4	54.7	90.5	BRL<5	62.2	209	56.4	95.81
06/20/06	1.6	BRL<1	7.6	20.0	29.2	BRL<1	17.7	53	26.2	96.17
VGES	5	1,000	700	10,000		40	4	5	20	

### Notes:

Concentrations in micrograms per liter (µg/L).
All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytic

MTBE - methyl tert-butyl ether

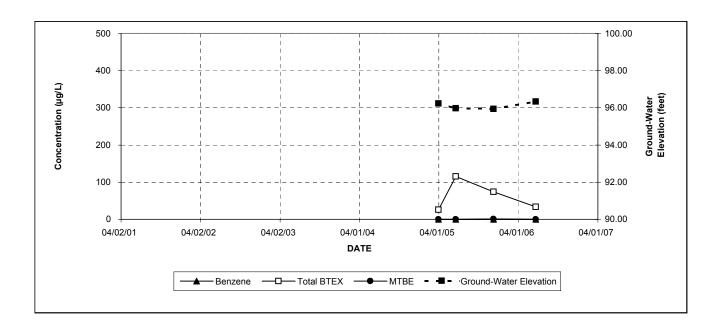
TMB - trimethyl benzene

ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards

## FIGURE 6. MW-3 **VOC Concentrations**

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
03/30/05	BRL<20	BRL<20	BRL<20	26.2	26.2	BRL<20	58.6	141	80.8	96.23
06/17/05	BRL<20	BRL<20	BRL<20	115.4	115.4	BRL<20	63.4	142	109	95.97
12/08/05	BRL<1	1.8	7.0	64.9	73.7	1.0	151	261	84.9	95.93
06/20/06	BRL<1	1.3	6.0	26.0	33.3	BRL<1	23	45	38.6	96.34
VGES	5	1,000	700	10,000		40	4	5	20	

Notes:

Concentrations in micrograms per liter (µg/L).
All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytica

MTBE - methyl tert-butyl ether

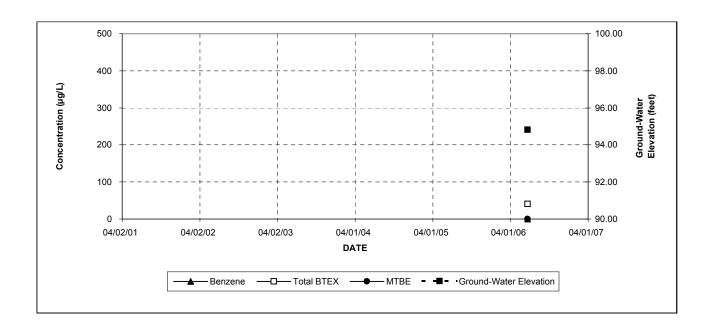
TMB - trimethyl benzene

ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards

# FIGURE 7. MW-5A VOC Concentrations

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
06/20/06	BRL<10	BRL<10	16.5	23.8	40.3	BRL<10	147.0	404.0	93.8	94.82
VGES	5	1,000	700	10,000		40	4	5	20	

### Notes:

Concentrations in micrograms per liter (µg/L).

All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytic

MTBE - methyl tert-butyl ether

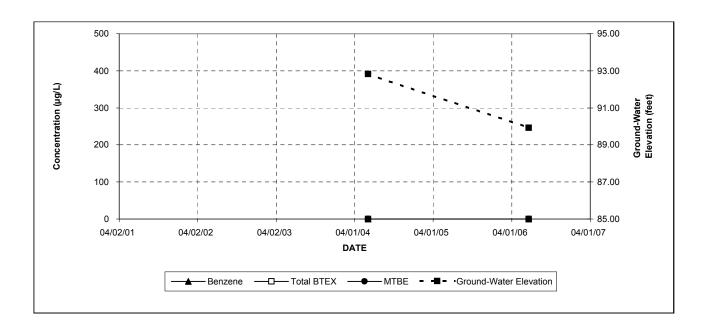
TMB - trimethyl benzene

ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards

# FIGURE 8. MW-8 VOC Concentrations

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
06/02/04	ND<1	ND<1	ND<1	ND<2	ND	ND<1	ND<1	ND<1	ND<1	92.83
06/20/06	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	89.93
VGES	5	1,000	700	10,000		40	4	5	20	

### Notes:

Concentrations in micrograms per liter (µg/L).

All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytic

MTBE - methyl tert-butyl ether

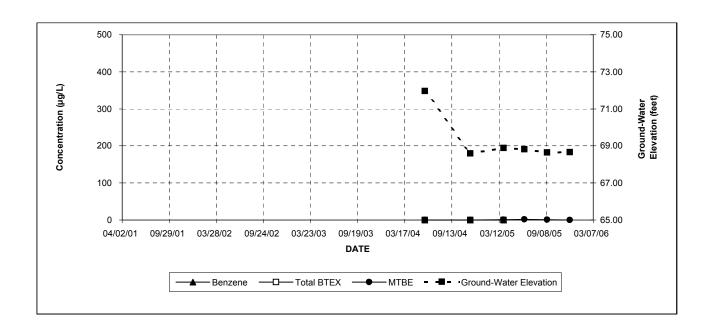
TMB - trimethyl benzene

ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards

# FIGURE 9. MW-10 **VOC Concentrations**

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
06/02/04	ND<1	ND<1	ND<1	ND<2	ND	ND<1	ND<1	ND<1	ND<1	71.96
11/22/04	ND<1	ND<1	ND<1	ND<2	ND	ND<1	ND<1	ND<1	ND<1	68.60
03/30/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	1.0	BRL<1	BRL<1	BRL<1	68.88
06/17/05	1.3	BRL<1	BRL<1	BRL<2	1.3	1.7	BRL<1	BRL<1	BRL<1	68.81
09/12/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	1.0	BRL<1	BRL<1	BRL<1	68.65
12/08/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	1.2	68.66
12/08/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	1.2	68.66
VGES	5	1,000	700	10,000		40	4	5	20	

Concentrations in micrograms per liter (µg/L).
All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytic

MTBE - methyl tert-butyl ether

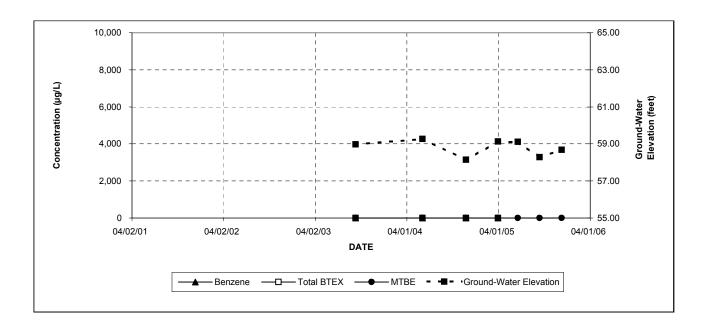
TMB - trimethyl benzene

ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards

# FIGURE 10. MW-12 VOC Concentrations

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
09/10/03	ND<1	ND<1	ND<1	ND<2	ND	ND<1	ND<1	ND<1	ND<1	58.98
06/02/04	ND<1	ND<1	ND<1	ND<2	ND	ND<1	ND<1	ND<1	ND<1	59.27
11/22/04	ND<1	ND<1	ND<1	ND<2	ND	ND<1	ND<1	ND<1	ND<1	58.15
03/30/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	59.12
06/17/05	BRL<1	BRL<1	BRL<1	BRL<2	BRL	BRL<1	BRL<1	BRL<1	BRL<1	59.11
09/12/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	58.29
12/08/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	58.68
06/20/06	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	58.83
VGES	5	1,000	700	10,000		40	4	5	20	

## Notes:

Concentrations in micrograms per liter (µg/L).

All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytic

MTBE - methyl tert-butyl ether

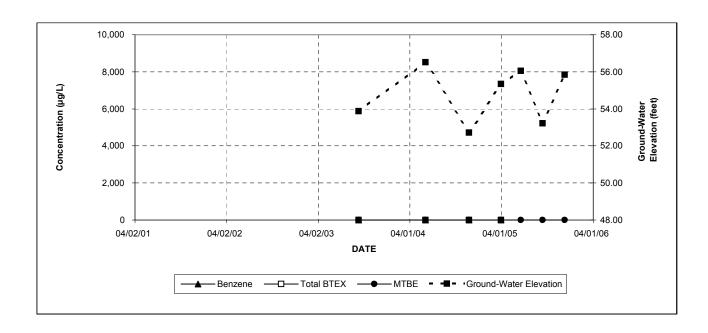
TMB - trimethyl benzene

ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards

## **FIGURE 11. MW-15 VOC Concentrations**

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
09/10/03	ND<1	ND<1	ND<1	ND<2	ND	ND<1	ND<1	ND<1	ND<1	53.88
06/02/04	ND<1	ND<1	ND<1	ND<2	ND	ND<1	ND<1	ND<1	ND<1	56.51
11/22/04	ND<1	ND<1	ND<1	ND<2	ND	ND<1	ND<1	ND<1	ND<1	52.72
03/30/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	55.34
06/17/05	BRL<1	BRL<1	BRL<1	BRL<2	BRL	BRL<1	BRL<1	BRL<1	BRL<1	56.04
09/12/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	53.21
12/08/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	55.84
06/20/06	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	54.88
VGES	5	1,000	700	10,000		40	4	5	20	

## Notes:

Concentrations in micrograms per liter ( $\mu$ g/L). All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytic

MTBE - methyl tert-butyl ether

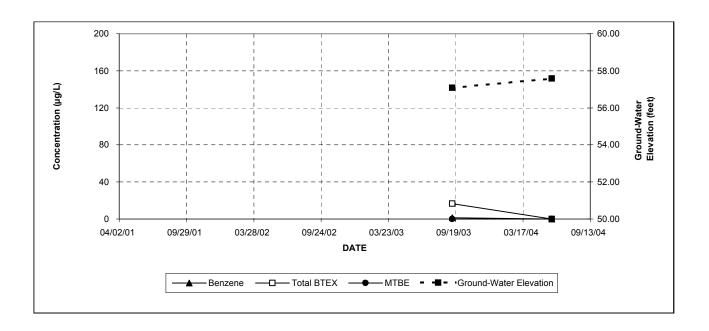
TMB - trimethyl benzene

ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards

# FIGURE 12. MW-17 VOC Concentrations

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
09/10/03	1.48	2.22	1.22	11.73	16.65	ND<1	4.47	22.80	30.10	57.08
06/02/04	ND<1	ND<1	ND<1	ND<2	ND	ND<1	2.4	24.9	15.2	57.59
06/20/06	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	54.47
VGES	5	1,000	700	10,000		40	4	5	20	

### Notes:

MW-17 was destroyed during railroad sediment removal activities in 2004

Concentrations in micrograms per liter (µg/L).

All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytic

MTBE - methyl tert-butyl ether

TMB - trimethyl benzene

ND - None detected at indicated detection limit

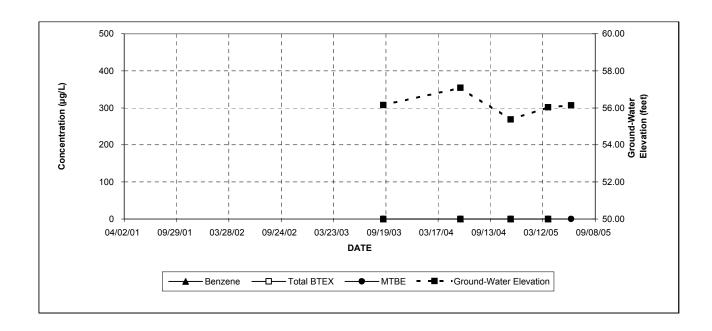
VGES - Vermont Groundwater Enforcement Standards

Shaded area indicate VGES exceedences.

MW-17 was restored prior to June 2006 sampling

## **FIGURE 13. MW-18 VOC Concentrations**

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
09/10/03	ND<1	ND<1	ND<1	ND<2	ND	ND<1	ND<1	ND<1	ND<1	56.14
06/02/04	ND<1	ND<1	ND<1	ND<2	ND	ND<1	ND<1	ND<1	ND<1	57.08
11/22/04	ND<1	ND<1	ND<1	ND<2	ND	ND<1	ND<1	ND<1	ND<1	55.37
03/30/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	56.03
06/17/05	BRL<1	BRL<1	BRL<1	BRL<2	BRL	BRL<1	BRL<1	BRL<1	BRL<1	56.13
VGES	5	1,000	700	10,000		40	4	5	20	

Concentrations in micrograms per liter (µg/L).
All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytic

MTBE - methyl tert-butyl ether

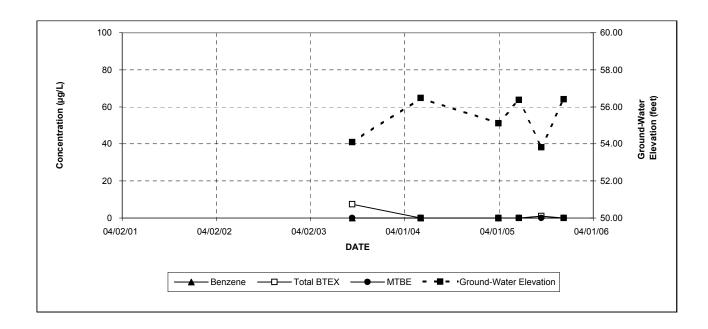
TMB - trimethyl benzene

ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards

# FIGURE 14. MW-19 VOC Concentrations

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
09/10/03	ND<5	ND<5	ND<5	7.4	7.4	ND<5	37.7	139.0	105.0	54.10
06/02/04	ND<5	ND<5	ND<5	ND<10	ND	ND<5	ND<5	13.2	ND<5	56.47
03/30/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	7.0	1.4	55.11
06/17/05	BRL<1	BRL<1	BRL<1	BRL<2	BRL	BRL<1	BRL<1	5.7	2.2	56.37
09/12/05	BRL<1	BRL<1	BRL<1	1.1	1.1	BRL<1	BRL<1	12.8	5.1	53.82
12/08/05	BRL<5	BRL<5	BRL<5	BRL<15	BRL	BRL<5	BRL<5	BRL<5	BRL<5	56.41
06/20/06	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	1.3	BRL<1	55.43
VGES	5	1,000	700	10,000		40	4	5	20	

### Notes:

Concentrations in micrograms per liter (µg/L).

 $All \ samples \ collected \ by \ ECS \ and \ analyzed \ by \ Endyne, \ Inc.; \ 3/30/05 \ samples \ analyzed \ by \ Spectrum \ Analytical$ 

MTBE - methyl tert-butyl ether

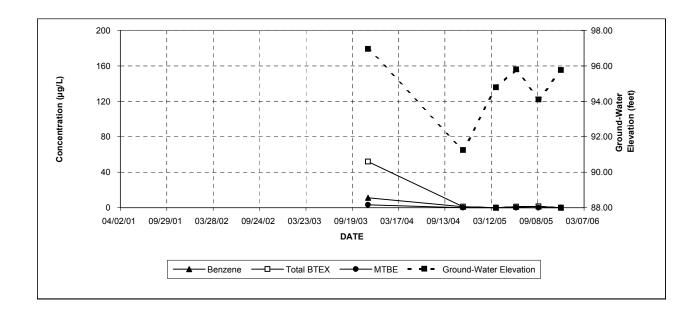
TMB - trimethyl benzene

ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards

# FIGURE 15. PD-1R VOC Concentrations

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
11/19/03	11.2	ND<1	9.9	31.0	52	3.4	4.1	8.6	1.3	96.95
11/22/04	1.0	ND<1	ND<1	ND<2	1	ND<1	ND<1	ND<1	1.7	91.25
03/30/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	94.79
06/17/05	1.0	BRL<1	BRL<1	BRL<2	1.0	BRL<1	BRL<1	BRL<1	BRL<1	95.80
09/12/05	1.3	BRL<1	BRL<1	BRL<3	1.3	BRL<1	BRL<1	BRL<1	BRL<1	94.11
12/08/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	95.77
06/20/06	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	95.66
VGES	5	1,000	700	10,000		40	4	5	20	

### Notes:

Concentrations in micrograms per liter ( $\mu g/L$ ).

All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytical

MTBE - methyl tert-butyl ether

TMB - trimethyl benzene

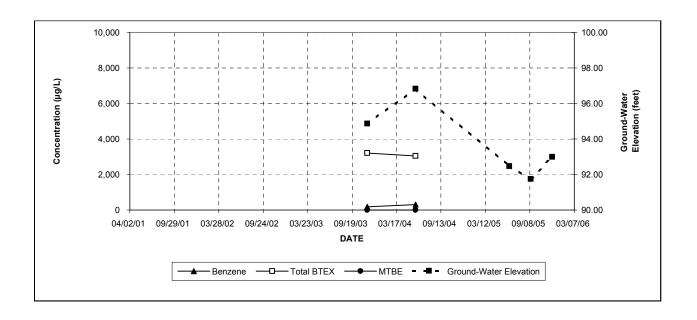
ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards; shaded areas indicate VGES exceedances.

# FIGURE 16. PD-2R VOC Concentrations

## **Walker Motors**

Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
11/19/03	173	107	282	2,650	3,212	ND<5	397	1,790	321	94.86
06/02/04	314	ND<50.0	406	2330	3050	ND<50.0	626	1490	379	96.82
06/17/05	FP	FP	FP	FP		FP	FP	FP	FP	92.47
09/12/05	FP	FP	FP	FP		FP	FP	FP	FP	91.75
12/08/05	FP	FP	FP	FP		FP	FP	FP	FP	93.00
VGES	5	1,000	700	10,000		40	4	5	20	

### Notes:

Concentrations in micrograms per liter (µg/L).

All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytica

MTBE - methyl tert-butyl ether

TMB - trimethyl benzene

ND - None detected at indicated detection limit

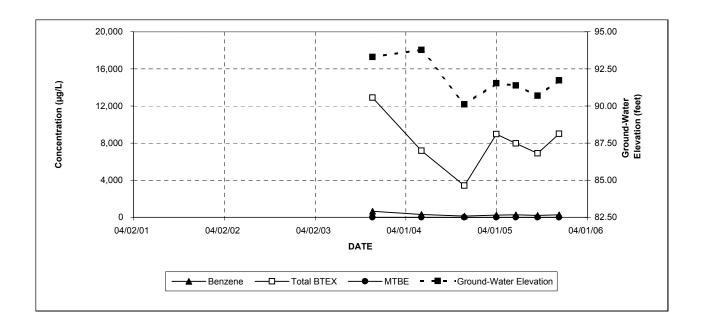
VGES - Vermont Groundwater Enforcement Standards; shaded areas indicate VGES exceedances.

PD-2 was destroyed during site remodeling efforts and replaced in November 2004.

PD -2 contained free product during the 11/2204 and 3/30/05 sampling events

## FIGURE 17. PD-3R **VOC Concentrations**

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevatio n
11/19/03	661	150	2,890	9,190	12,891	ND<100	1,510	4,920	1,010	93.30
06/02/04	326	73.8	1480	5300	7,180	ND<50.0	1100	3200	477	93.77
11/22/04	145	ND<100	799	2460	3404	ND<100	528	1660	276	90.10
03/30/05	251	BRL<100	1,830	6,872	8,953	BRL<100	995	4,050	260	91.53
06/17/05	272	84.0	1,840	5,762	7,958	BRL<50	1370	4,550	460	91.39
09/12/05	204	84.2	1,690	4,903	6,881	BRL<25	972	3,270	336	90.69
12/08/05	285	95.0	2,190	6,434	9,004	BRL<50	1,320	4,720	474	91.72
06/20/06	132	49.8	1,330	3,507	5,019	BRL<25	712	2,580	262	91.36
VGES	5	1,000	700	10,000		40	4	5	20	

## Notes:

Concentrations in micrograms per liter (µg/L).
All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytic

MTBE - methyl tert-butyl ether

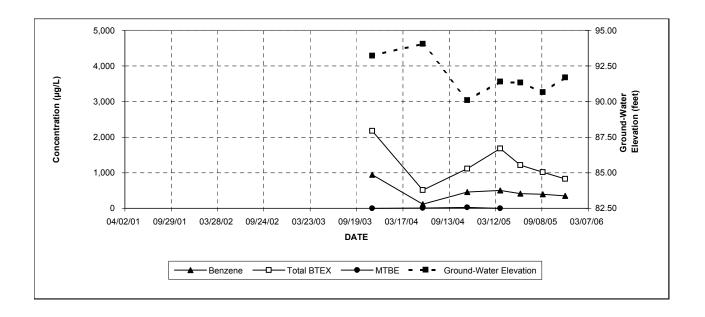
TMB - trimethyl benzene

ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards

# FIGURE 18. PD-4 VOC Concentrations

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
11/19/03	945	ND<100	758	474	2,177	ND<100	ND<100	685	230	93.22
06/02/04	120	29.7	192	174	516	12.1	28.9	225	44.2	94.05
11/22/04	463	32.2	385	236	1,116	28.6	18.4	123	100.0	90.09
03/30/05	500	BRL<100	703	481	1,684	BRL<100	BRL<100	752	128	91.41
06/17/05	411	23.8	489	287.9	1,212	BRL<10	37.2	213	117	91.34
09/12/05	393	14.0	424	183.0	1,014	BRL<12.5	24.2	118	83	90.67
12/08/05	349	12.2	320	143.8	825	BRL<5	20.4	103	78.2	91.69
06/20/06	286	11.8	326	148.8	773	BRL<5	23.7	122	72.6	91.37
VGES	5	1,000	700	10,000		40	4	5	20	

### Notes

Concentrations in micrograms per liter (µg/L).

All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytica

MTBE - methyl tert-butyl ether

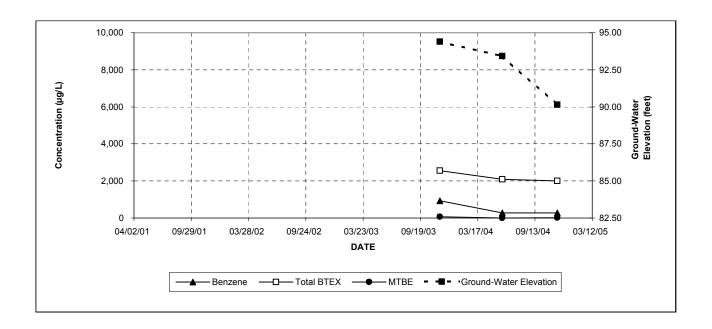
TMB - trimethyl benzene

ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards

## FIGURE 19. PD-5R **VOC Concentrations**

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
11/19/03	936	81.7	843	703	2,564	65.5	94.2	741	180	94.40
06/02/04	272	ND<50.0	836	981	2,089	ND<50.0	112	1200	211	93.43
11/22/04	270	24.9	836	876	2,007	25.2	378	1970	207	90.14
VGES	5	1,000	700	10,000		40	4	5	20	

Concentrations in micrograms per liter ( $\mu$ g/L). All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytic

MTBE - methyl tert-butyl ether

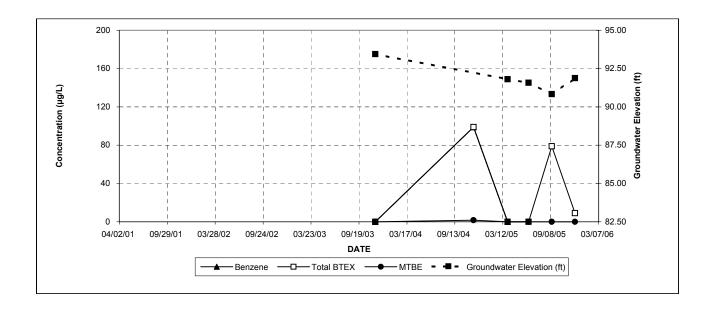
TMB - trimethyl benzene

ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards

# FIGURE 20. PD-6 VOC Concentrations

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
11/19/03	ND<1	ND<1	ND<1	ND<2	ND	ND<1	ND<1	ND<1	ND<1	93.44
11/22/04	98.9	ND<1	ND<1	ND<2	99	1.7	ND<1	ND<1	ND<1	
03/30/05	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	91.80
06/17/05	BRL<1	BRL<1	BRL<1	BRL<2	BRL	BRL<1	BRL<1	BRL<1	BRL<1	91.57
09/12/05	78.8	BRL<1	BRL<1	BRL<3	78.8	BRL<1	BRL<1	BRL<1	BRL<1	90.83
12/08/05	9.1	BRL<1	BRL<1	BRL<3	9	BRL<1	BRL<1	1.9	BRL<1	91.88
06/20/06	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	91.63
VGES	5	1,000	700	10,000		40	4	5	20	

### Notes:

Concentrations in micrograms per liter (µg/L).

All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytica

MTBE - methyl tert-butyl ether

TMB - trimethyl benzene

ND - None detected at indicated detection limit

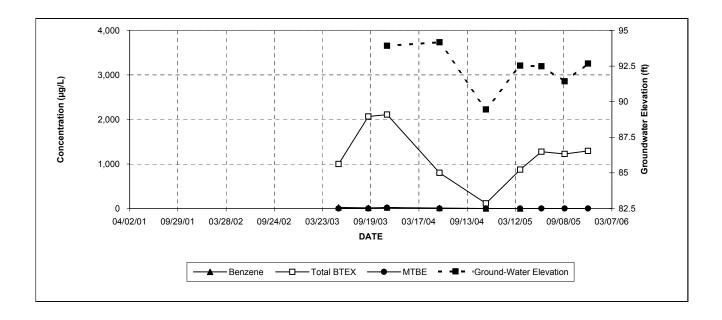
VGES - Vermont Groundwater Enforcement Standards

Shaded area indicate VGES exceedences.

Well casing was bent during site remodeling activities in Fall 2004; water level probe will not fit into well casing.

# FIGURE 21. DEC-1 VOC Concentrations

Walker Motors Montpelier, VT



Date	Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	MTBE	1,3,5 TMB	1,2,4 TMB	Naph- thalene	Ground- Water Elevation
05/22/03	24.9	ND<20	331	642	998	ND<20	66.1	826	152	
09/10/03	15.8	23.2	758	1,269	2,066	ND<5	121	1,400	375	
11/19/03	21.7	18.1	739	1,330	2,109	17.0	114	1,510	267	93.92
06/02/04	10.8	ND<10.0	275	517	803	ND<10.0	36.9	523	91.0	94.17
11/22/04	ND<5	ND<5	43.7	71.7	115	ND<5	ND<5	27.8	14.6	89.45
03/30/05	BRL<5	8.8	319	544.6	872	BRL<5	34.6	635	85.9	92.53
06/17/05	BRL<10	BRL<10	508	769.3	1277	BRL<10	19.5	891	164	92.48
09/12/05	BRL<12.5	16.0	505	706.0	1227	BRL<12.5	17.5	693	164	91.43
12/08/05	6.6	14.2	496	775.9	1293	BRL<5	44.2	849	189	92.68
06/20/06	BRL<5	BRL<5	225	310.3	535	BRL<5	BRL<5	255	53	92.35
VGES	5	1,000	700	10,000		40	4	5	20	

### Notes:

Concentrations in micrograms per liter (µg/L).

All samples collected by ECS and analyzed by Endyne, Inc.; 3/30/05 samples analyzed by Spectrum Analytica

MTBE - methyl tert-butyl ether

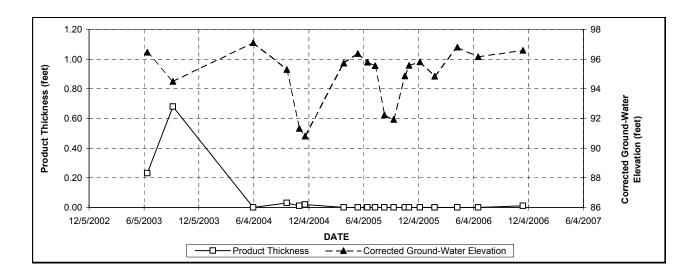
TMB - trimethyl benzene

ND - None detected at indicated detection limit

VGES - Vermont Groundwater Enforcement Standards

# FIGURE 22. MW-1A Free-Product Thickness and Groundwater Elevation

Walker Motors Montpelier, Vermont



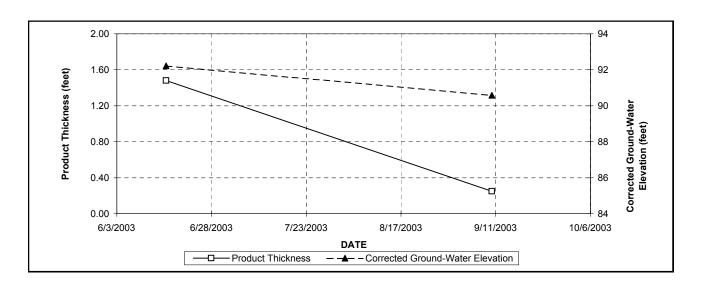
Date	Depth to Product (feet, bgs)	Product Thickness (feet)	Depth to Water (feet, bgs)	Corrected Depth to Water (feet)	Corrected Ground- Water Elevation
6/16/2003	3.94	0.23	3.71	3.53	96.47
9/10/2003	5.36	0.68	6.04	5.50	94.50
06/02/04	3.00	0.00	3.00	3.00	97.11
09/22/04	4.81	0.03	4.84	4.82	95.29
11/02/04	8.78	0.01	8.78	8.77	91.34
11/22/04	9.30	0.02	9.32	9.30	90.81
03/30/05	4.38	0.00	4.38	4.38	95.73
05/16/05	3.73	0.00	3.73	3.73	96.38
6/17/2005	4.31	0.00	4.31	4.31	95.80
07/12/05	4.55	0.00	4.55	4.55	95.56
8/12/2005	7.88	0.00	7.88	7.88	92.23
9/12/2005	8.17	0.00	8.17	8.17	91.94
10/19/2005	5.24	0.00	5.24	5.24	94.87
11/2/2005	4.52	0.00	4.52	4.52	95.59
12/8/2005	4.30	0.00	4.30	4.30	95.81
1/26/2006	5.27	0.00	5.27	5.27	94.84
4/12/2006	3.30	0.00	3.30	3.30	96.81
6/20/2006	3.94	0.00	3.94	3.94	96.17
11/16/2006	3.52	0.01	3.53	3.52	96.59

### Notes:

Top of Casing elevation for MW-1 is 100.11 feet, measured relative to an arbitrary site datum of 100.00 feet. Contaminated soil excavation occurred in May 2004. A replacement well, designated MW-1A, was installed in the vici Depth-to-water readings were corrected by multiplying the petroleum product thickness by the specific gravity of and subtracting the result from the measured depth to water.

# FIGURE 23. MW-2 Free-Product Thickness and Groundwater Elevation

Walker Motors Montpelier, Vermont



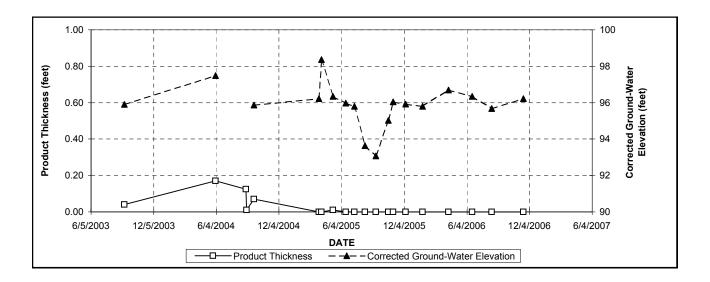
Date	Depth to Product (feet, bgs)	Product Thickness (feet)	Depth to Water (feet, bgs)	Corrected Depth to Water (feet)	Corrected Ground-Water Elevation
6/16/2003	7.02	1.48	8.50	7.32	92.22
9/10/2003	8.90	0.25	9.15	8.95	90.59

### Notes:

Top of Casing elevation for MW-2 is 99.54 feet, measured relative to an arbitrary site datum of 100.00 feet. Contaminated soil excavation occurred in May 2004. The well was destroyed and not replaced. Depth-to-water readings were corrected by multiplying the petroleum product thickness by the specific gravity of and subtracting the result from the measured depth to water.

# FIGURE 24. MW-3 Free-Product Thickness and Groundwater Elevation

Walker Motors Montpelier, Vermont

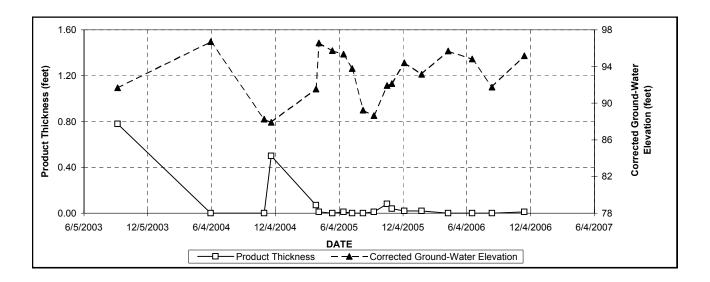


Date	Depth to Product (feet, bgs)	Product Thickness (feet)	Depth to Water (feet, bgs)	Corrected Depth to Water (feet)	Corrected Ground-Water Elevation
9/10/2003	4.85	0.04	4.89	4.86	95.91
06/02/04	3.60	0.17	3.43	3.29	97.48
08/30/04		0.13			
09/01/04		0.01			
09/22/04	4.89	0.07	4.96	4.90	95.87
03/30/05	4.54	0.00	4.54	4.54	96.23
04/07/05	2.40	0.00	2.40	2.40	98.37
05/10/05	4.42	0.01	4.43	4.42	96.35
06/17/05	4.80	0.00	4.80	4.80	95.97
07/12/05	4.97	0.00	4.97	4.97	95.80
08/12/05	7.14	0.00	7.14	7.14	93.63
09/12/05	7.69	0.00	7.69	7.69	93.08
10/19/05	5.75	0.00	5.75	5.75	95.02
11/02/05	4.72	0.00	4.72	4.72	96.05
12/08/05	4.84	0.00	4.84	4.84	95.93
01/26/06	4.97	0.00	4.97	4.97	95.80
4/12/2006	4.08	0.00	4.08	4.08	96.69
6/20/2006	4.43	0.00	4.43	4.43	96.34
8/16/2006	5.10	0.00	5.10	5.10	95.67
11/16/2006	4.55	0.00	4.55	4.55	96.22

Top of Casing elevation for MW-3 is 100.77 feet, measured relative to an arbitrary site datum of 100.00 feet. Contaminated soil excavation occurred in May 2004. MW-3 was not damaged by the excavation. Depth-to-water readings were corrected by multiplying the petroleum product thickness by the specific gravity of gasoline (0.8), and subtracting the result from the measured depth to water.

# FIGURE 25. MW-5A Free-Product Thickness and Groundwater Elevation

Walker Motors Montpelier, Vermont

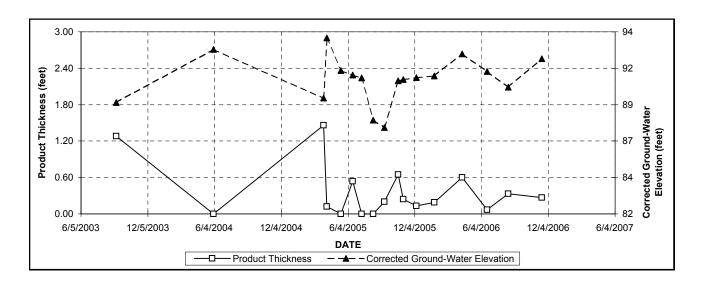


Date	Depth to Product (feet, bgs)	Product Thickness (feet)	Depth to Water (feet, bgs)	Corrected Depth to Water (feet)	Corrected Ground-Water Elevation
9/10/2003	8.00	0.78	8.78	8.16	91.67
06/02/04	2.73	0.00	2.73	2.73	96.72
11/02/04	11.19	0.00	11.19	11.19	88.26
11/22/04	11.45	0.50	11.95	11.55	87.90
03/30/05	7.91	0.07	7.98	7.92	91.53
04/07/05	2.87	0.01	2.88	2.87	96.58
05/16/05	3.73	0.00	3.73	3.73	95.72
06/17/05	4.09	0.01	4.10	4.09	95.36
07/12/05	5.66	0.00	5.66	5.66	93.79
08/12/05	10.21	0.00	10.21	10.21	89.24
09/12/05	10.80	0.01	10.81	10.80	88.65
10/19/05	7.51	0.08	7.59	7.53	91.92
11/02/05	7.31	0.04	7.35	7.32	92.13
12/08/05	5.03	0.02	5.05	5.03	94.42
01/26/06	6.29	0.02	6.31	6.29	93.16
4/12/2006	3.75	0.00	3.75	3.75	95.70
6/20/2006	4.63	0.00	4.63	4.63	94.82
8/16/2006	7.70	0.00	7.70	7.70	91.75
11/16/2006	4.27	0.01	4.28	4.27	95.18

Top of Casing elevation for MW-5A is 99.45 feet, measured relative to an arbitrary site datum of 100.00 feet. Contaminated soil excavation occurred in May 2004. MW-5A was replaced following the excavation. Depth-to-water readings were corrected by multiplying the petroleum product thickness by the specific gravity of gasoline (0.8), and subtracting the result from the measured depth to water.

# FIGURE 26. MW-6A Free-Product Thickness and Groundwater Elevation

#### Walker Motors Montpelier, Vermont



Date	Depth to Product (feet, bgs)	Product Thickness (feet)	Depth to Water (feet, bgs)	Corrected Depth to Water (feet)	Corrected Ground-Water Elevation
9/10/2003	9.92	1.28	11.20	10.18	89.34
06/02/04	0.00	0.00	6.44	6.44	92.83
03/30/05	9.34	1.46	10.80	9.63	89.64
04/07/05	5.64	0.12	5.76	5.66	93.61
05/16/05	7.83	0.00	7.83	7.83	91.44
06/17/05	8.00	0.54	8.54	8.11	91.16
07/12/05	8.31	0.00	8.31	8.31	90.96
08/12/05	11.10	0.00	11.10	11.10	88.17
09/12/05	11.53	0.20	11.73	11.57	87.70
10/19/05	8.37	0.65	9.02	8.50	90.77
11/02/05	8.37	0.24	8.61	8.42	90.85
12/08/05	8.25	0.13	8.38	8.28	90.99
01/26/06	8.14	0.19	8.33	8.18	91.09
4/12/2006	6.60	0.60	7.20	6.72	92.55
6/20/2006	7.88	0.07	7.95	7.89	91.38
8/16/2006	8.85	0.33	9.18	8.92	90.35
11/16/2006	6.99	0.27	7.26	7.04	92.23

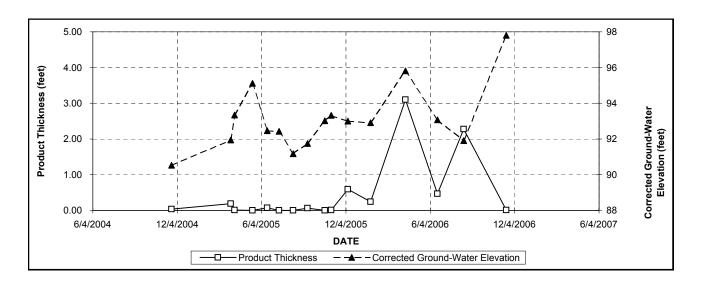
#### Notes:

Top of Casing elevation for MW-6A is 99.27 feet, measured relative to an arbitrary site datum of 100.00 feet. Contaminated soil excavation occurred in May 2004. A replacement well, designated MW-6A, was installed. Depth-to-water readings were corrected by multiplying the petroleum product thickness by the specific gravity of and subtracting the result from the measured depth to water.

ECS A30026dprod

# FIGURE 27. PD-2R Free-Product Thickness and Groundwater Elevation

Walker Motors Montpelier, Vermont



Date	Depth to Product (feet, bgs)	Product Thickness (feet)	Depth to Water (feet, bgs)	Corrected Depth to Water (feet)	Corrected Ground-Water Elevation
11/22/04	10.80	0.04	10.84	10.81	90.52
03/30/05	9.35	0.19	9.54	9.39	91.94
04/07/05	7.98	0.01	7.99	7.98	93.35
05/16/05	6.21	0.00	6.21	6.21	95.12
06/17/05	8.85	0.07	8.92	8.86	92.47
07/12/05	8.91	0.00	8.91	8.91	92.42
08/12/05	10.15	0.00	10.15	10.15	91.18
09/12/05	9.57	0.06	9.63	9.58	91.75
10/19/05	8.31	0.00	8.31	8.31	93.02
11/02/05	8.01	0.01	8.02	8.01	93.32
12/08/05	8.21	0.59	8.80	8.33	93.00
01/26/06	8.37	0.24	8.61	8.42	92.91
4/12/2006	4.90	3.10	8.00	5.52	95.81
6/20/2006	8.17	0.47	8.64	8.26	93.07
8/16/2006	8.97	2.28	11.25	9.43	91.90
11/16/2006	3.52	0.01	3.53	3.52	97.81

#### Notes:

Top of Casing elevation for PD-2R is 101.33 feet, measured relative to an arbitrary site datum of 100.00 feet. Site Restoration activities occurred in 2004/2005. A replacement well, designated PD-2R, was installed on 11 Noven Depth-to-water readings were corrected by multiplying the petroleum product thickness by the specific gravity of and subtracting the result from the measured depth to water.

ECS A30026dprod

# TABLE 1 GROUNDWATER ELEVATION CALCULATIONS

#### Walker Motors Montpelier, VT

Monitoring Date: 20 June 2006

	Top of	Depth to	Depth to	Product	Corrected	Water Table
Well I.D.	Casing Elevation	Product	Water	Thickness	Depth to Water	Elevation
MW-1a	100.11	-	3.94	-	-	96.17
MW-3	100.77	-	4.43	-	-	96.34
MW-5a	99.45	-	4.63	-	-	94.82
MW-6a	99.27	7.88	7.95	0.07	7.89	91.38
MW-7	99.83	-	DRY	-	-	NA
MW-8	99.18	-	9.25	-	-	89.93
MW-9	79.08	1	-	-	1	-
MW-10	75.93	-	-	-	-	-
MW-11	64.45	-	-	-	-	-
MW-12	63.83	-	5.00	-	-	58.83
MW-13	70.54	-	destroyed	-	-	NA
MW-14	56.91	-	-	-	-	NA
MW-15	57.06	-	2.18	-	-	54.88
MW-16	56.62	-	-	-	-	NA
MW-17	59.25	-	destroyed	-	-	NA
MW-17a	59.25	-	4.78	-	-	54.47
MW-18	60.11	-	destroyed	-	-	NA
MW-19	58.25	-	2.82	-	-	55.43
MW-20	58.36	1	NA	-	-	NA
Monitoring w	ells at the Pa	rts Departme	nt - Surveyed	with a differe	nt arbitrary da	atum of 98.67.
DEC-1	100.33	-	7.98	-	-	92.35
PD-1R	101.44	-	5.78	-	-	95.66
PD-2R	101.33	8.17	8.64	0.47	8.26	93.07
PD-3R	99.47	-	8.11	-	-	91.36
PD-4	98.67	-	7.30	-	-	91.37
PD-5R	98.31	-	destroyed	-	-	NA
PD-6	99.55	-	7.92	-	-	91.63

#### Notes:

All values reported in feet relative to a datum of 98.67 feet based on a previous survey.

TOC elevations are for the Parts Department wells have changed due to well replacements or addition of more casing with grade changes in this part of the site

NA = Not Available

MW-2 and MW-4 were destroyed during the excavation activities.

MW-13 was destroyed during site renovations; MW-17 was destroyed during railroad activities.

ECS A30026d gwe

#### TABLE 2 **Summary of Analytical Results**

Walker Motors Montpelier, VT

Sampling Date: 20 June 2006

Well I.D.	Benzene	Toluene	Ethyl- benzene	Xylenes	Total BTEX	MTBE	1,3,5-TMB	1,2,4-TMB	Naph- thalene	TVOC
Groundwater	Samples									
MW-1A	1.6	BRL<1	7.6	20.0	29.2	BRL<1	17.7	53	26.2	126
MW-2				de	stroyed dur	ing excavati	on			
MW-3	BRL<1	1.3	6.0	26.0	33.3	BRL<1	23	45	38.6	139
MW-4				de	stroyed dur	ing excavati	on			
MW-5A	BRL<10	BRL<10	16.5	23.8	40	BRL<10	147.0	404.0	93.8	644.8
MW-6A	FP	FP	FP	FP		FP	FP	FP	FP	FP
MW-7	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW-8	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	BRL
MW-9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10				ful	l of sedimen	it, not sampl	ed			
MW-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	BRL
MW-13				dest	royed during	site renova	tions		'•	
MW-14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-15	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	BRL
MW-16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	BRL
MW-18				des	stoyed by ap	parent flood	ing	l	U.	
MW-19	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	1.3	BRL<1	1
MW-20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PD-1R	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	BRL
PD-2R	FP	FP	FP	FP		FP	FP	FP	FP	FP
PD-3R	132	49.8	1,330	3,507	5,019	BRL<25	712	2,580	262	8,573
PD-4	286	11.8	326	148.8	773	BRL<5	23.7	122	72.6	991
PD-5R					well de	stroyed			•	
PD-6	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	BRL
DEC-1	BRL<5	BRL<5	225	310.3	535	BRL<5	BRL<5	255	53	843
CB-5**	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	BRL
QA/QC Samp	les								· ·	
Duplicate (PD-3R)	BRL<5	BRL<5	15	28	43	BRL<10	164	461	116	784
% difference	-	-	9	16	6	-	11	13	21	19
Trip Blank	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	BRL
VGES	5	1,000	700	10,000		40	4	5	20	
Surface Water										
SW-1	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	BRL
SW-2	BRL<1	BRL<1	BRL<1	BRL<3	BRL	BRL<1	BRL<1	BRL<1	BRL<1	BRL
SW-3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
WQC	1.2	6,800	3,100							

Notes:

MTBE - methyl tert-butyl ether
BRL - None detected below the reporting limit.
NS - Not Sampled
Results given in micrograms per liter (µg/L).
TMB - trimethyl benzene
TPH - total petroleum hydrocarbons measured in milligrams per liter (mg/L)
VGES - Vermont Groundwater Enforcement StandLards, shaded area denotes exceedence of VGES

FP - Free Product
WQC - Water Quality Criteria for the protection of human health in Class B waters.
\*\*CB-5 was sampled during the 16 August 2006 site visit

# APPENDIX A

# LABORATORY ANALYTICAL RESULTS

Report Date: 06-Jul-06 12:05



SPECTRUM ANALYTICAL, INC.

#### **Featuring** HANIBAL TECHNOLOGY

# Laboratory Report

**Environmental Compliance Services** 

65 Millet Street; Suite 301 Richmond, VT 05477

Attn: Laura Woodard

Project: Walker Motors - Montpelier, VT

☐ Final Report

Re-Issued Report Revised Report

Project VTA3-0026D

Laboratory ID	Client Sample ID	<u>Matrix</u>	Date Sampled	Date Received
SA46991-01	Trip Blank	Ground Water	20-Jun-06 08:00	22-Jun-06 09:42
SA46991-02	MŴ-1	Ground Water	20-Jun-06 11:10	22-Jun-06 09:42
SA46991-03	MW-8	Ground Water	20-Jun-06 11:10	22-Jun-06 09:42
SA46991-04	MW-3	Ground Water	20-Jun-06 11:35	22-Jun-06 09:42
SA46991-05	MW-5A	Ground Water	20-Jun-06 11:35	22-Jun-06 09:42
SA46991-06	Duplicate	Ground Water	20-Jun-06 11:40	22-Jun-06 09:42
SA46991-07	MW-12	Ground Water	20-Jun-06 12:00	22-Jun-06 09:42
SA46991-08	MW-15	Ground Water	20-Jun-06 13:05	22-Jun-06 09:42
SA46991-09	MW-19	Ground Water	20-Jun-06 13:10	22-Jun-06 09:42
SA46991-10	MW-17	Ground Water	20-Jun-06 13:15	22-Jun-06 09:42
SA46991-11	SW-I	Surface Water	20-Jun-06 12:15	22-Jun-06 09:42
SA46991-12	SW-2	Surface Water	20-Jun-06 12:15	22-Jun-06 09:42
SA46991-13	PD-1R	Surface Water	20-Jun-06 14:30	22-Jun-06 09:42
SA46991-14	PD-6	Surface Water	20-Jun-06 14:35	22-Jun-06 09:42
SA46991-15	DEC-1	Surface Water	20-Jun-06 14:40	22-Jun-06 09:42
SA46991-16	PD-4	Surface Water	20-Jun-06 14:50	22-Jun-06 09:42
SA46991-17	PD-3R	Surface Water	20-Jun-06 15:00	22-Jun-06 09:42

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met

Please note that this report contains 15 pages of analytical data plus Chain of Custody documen(s).

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Maine # MA138

New Hampshire # 2538/2972

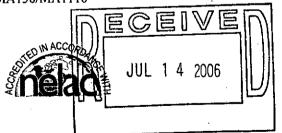
New Jersey # MA011/MA012

New York # 11393/11840

Rhode Island #98

USDA # S-51435

Vermont # VT-11393



Hanibal C. Tayeh, Ph.D. President/Laboratory Director

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Sample Identificat	ion
Trip Blank	
SA46991-01	

Matrix Ground Water Collection Date/Time 20-Jun-06 08:00

<u></u>	o. Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analys
Volatile	Organic Compounds						• • •				
Volatile C	Organic Compounds by 8260B										
Prepare	ed by method SW846 50	30 Water MS									
71-43-2	Benzene	BRL		µg/l	1.0	1	SW846 8260B	26-Jun-06	26-Jun-06	6061768	RIJ
100-41-4	Ethylbenzene	BRL		μ <b>g</b> /l	1.0	1	<b>y</b>	•		•	•
1634-04-4	Methyl tert-butyl ether	BRL		μ <b>g</b> /l	1.0	1	•	•	•	•	•
91-20-3	Naphthalene	BRL		µg/l	1.0	1			•	•	
108-88-3	Toluene	BRL		μg/l	1.0	1	н	u	Ī	•	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1		•	я	u	4
108-67-8	1,3,5-Trimethylbenzene	BRL		μ <b>g</b> /l	1.0	1		•	u		н
1330-20-7	m,p-Xylene	BRL		μg/l	2.0	1	•	•	a	•	٠
95-47-6	o-Xylene	BRL		μα/Ι	1.0	1	•	đ	•	•	•
Surrogate	recoveries:										
460-00-4	4-Bromofluorobenzene	105		70-130 9	6		•	•	•		•
2037-26-5	Toluene-d8	97.8		70-130 9	6		•	•	•	•	•
17060-07-0	1,2-Dichloroethane-d4	84.6		70-130 9	6		•	•	•	•	٠
1868-53-7	Dibromofluoromethane	98.2		70-130 9	6		•	•	•	•	•
		Fastamana mataka mataka Nanifaran angazi na sahinan ya na mana may na Manasa mataka mataka mataka mataka mataka mataka mataka mana mataka mana mataka mataka mataka mataka mataka mat					alandahadiginda kalanda dan Salanda dalah dalah salah da kalanda kalanda dalah da salah da salah da salah da s Manasaran salah da salah salah salah salah da salah salah da salah da salah salah salah salah da salah salah s	and the second section of the section o			
Sami	ple Identification										
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				Project #	_	<u>Matrix</u>		n Date/Tim		Receive	
MW				: Project # 3-0026D	G1	Matrix ound Wat		n Date/Tim 1-06 11:10		Receive 22-Jun-(	
MW SA4	-1	Result			Gı * <i>RDL</i>					22-Jun-(	)6
MW SA4	-1 6991-02 . Analyte(s)	Result	VTA	3-0026D		ound Wat	er 20-Jun	n-06 11:10		22-Jun-(	)6
MW SA4 CAS No.	-1 6991-02 . <i>Analyte(s)</i> Organic Compounds	Result	VTA	3-0026D		ound Wat	er 20-Jun	n-06 11:10		22-Jun-(	06
MW SA4 CAS No. Volatile Volatile C	-1 6991-02  Analyte(s)  Organic Compounds  Organic Compounds by 8260B		VTA	3-0026D		ound Wat	er 20-Jun	n-06 11:10		22-Jun-(	06
MW SA4 CAS No. Volatile Volatile C	-1 6991-02 . Analyte(s) Organic Compounds organic Compounds by 8260B and by method SW846 503	30 Water MS	VTA	3-0026D  Units	*RDL	ound Wat	er 20-Jun	Prepared	Analyzed	22-Jun-(	Analys
MW SA4 CAS No. Volatile Volatile C Prepare 71-43-2	-1 6991-02  Analyte(s)  Organic Compounds  Aganic Compounds by 8260B  and by method SW846 503  Benzene	30 Water MS 1.6	VTA	3-0026D <i>Units</i>	* <i>RDL</i>	ound Wat	er 20-Jun	n-06 11:10		22-Jun-(	06
MW SA4 CAS No. Volatile Volatile C Prepare 71-43-2 100-41-4	-1 6991-02  Analyte(s)  Organic Compounds  Analyte(s)  Organic Compounds by 8260B  Analyte(s)  Organic Compounds by 8260B	30 Water MS 1.6 7.6	VTA	3-0026D  Units	* <i>RDL</i> 1.0 1.0	Dilution	er 20-Jun <i>Method Ref.</i> SW846 8260B	Prepared	Analyzed	22-Jun-(	Analys
MW SA4- CAS No Volatile Volatile C Prepare 71-43-2 100-41-4 1634-04-4	-1 6991-02  Analyte(s)  Organic Compounds  Organic Compounds by 82608  od by method SW846 503  Benzene Ethylbenzene Methyl tert-butyl ether	30 Water MS 1.6 7.6 BRL	VTA	3-0026D <i>Units</i> µg/l µg/l	* <i>RDL</i>	Dilution  1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	22-Jun-(	Analys
MW SA4 CAS No Volatile C Prepare 71-43-2 100-41-4 1634-04-4 91-20-3	-1 6991-02  Analyte(s)  Organic Compounds Aganic Compounds by 8260B Aganic Compounds Aganic Com	30 Water MS 1.6 7.6 BRL 26.2	VTA	Units  Units	*RDL  1.0 1.0 1.0 1.0 1.0	Dilution	Method Ref.  SW846 8260B	Prepared	Analyzed 27-Jun-06	Batch	Analys
MW SA44 CAS No Volatile C Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3	-1 6991-02  Analyte(s)  Organic Compounds Analyte(s)  Organic Compounds by 8260B  Analyte(s)  Organic Compounds by 8260B  Analyte(s)  Organic Compounds  Analyte(s)	30 Water MS 1.6 7.6 BRL 26.2 BRL	VTA	3-0026D  Units  IA/I IA/I IA/I IA/I IA/I IA/I IA/I IA	1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	Batch 6061860	Analys
MW SA44 CAS No Volatile C Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6	-1 6991-02  Analyte(s)  Organic Compounds  Analyte(s)  Organic Compounds by 8260B  Analyte(s)  Organic Compounds by 8260B  Analyte(s)  Organic Compounds  Beganic Com	30 Water MS 1.6 7.6 BRL 26.2 BRL 52.9	VTA	3-0026D  Units  La/1 La/1 La/1 La/1 La/1 La/1 La/1 La/	*RDL  1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	Batch . 6061860	Analys
MW SA4 CAS No Volatile Volatile C Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8	-1 6991-02  Analyte(s)  Organic Compounds  Organic Compounds by 8260B  organic Compounds  by 8260B  organic Compounds  by 8260B  organic Compounds  by 8260B  organic Compounds  by 8260B  organic Compounds  by 8260B  organic Compounds	30 Water MS 1.6 7.6 BRL 26.2 BRL 52.9 17.7	VTA	3-0026D  Units  Lg/I Lg/I Lg/I Lg/I Lg/I Lg/I Lg/I Lg/	1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	Batch :	Analys
MW SA4 Volatile Volatile C Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7	-1 6991-02  Analyte(s)  Organic Compounds  Organic Compounds by 82608  organic Compounds  Bersene  Ethylbenzene  Methyl tert-butyl ether  Naphthalene  Toluene  1,2,4-Trimethylbenzene  1,3,5-Trimethylbenzene  m,p-Xylene	30 Water MS 1.6 7.6 BRL 26.2 BRL 52.9 17.7	VTA	3-0026D  Units  LD/1  LD/1  LD/1  LD/1  LD/1  LD/1  LD/1  LD/1  LD/1	1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	Batch :	Analys
MW SA44 CAS No Volatile C Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6	-1 6991-02  Analyte(s)  Organic Compounds Aganic Compounds by 8260B Aganic Compounds Beganic Compounds Beg	30 Water MS 1.6 7.6 BRL 26.2 BRL 52.9 17.7	VTA	3-0026D  Units  Lg/I Lg/I Lg/I Lg/I Lg/I Lg/I Lg/I Lg/	1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.0	Dilution  1 1 1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	Batch :	Analysi
MW SA44  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6  Surrogate	Analyte(s) Organic Compounds Irganic Compounds by 8260B Irganic Compounds I	1.6 7.6 BRL 26.2 BRL 52.9 17.7 15.0	VTA	3-0026D  Units  La/1 La/1 La/1 La/1 La/1 La/1 La/1 La/	1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.0	Dilution  1 1 1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	Batch :	Analys
MW SA44  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6  Surrogate 460-00-4	Analyte(s) Organic Compounds Inganic Compounds by 82608 Inganic Compounds Inganic Co	1.6 7.6 BRL 26.2 BRL 52.9 17.7 15.0 5.0	VTA	3-0026D  Units  Lg/I Lg/I Lg/I Lg/I Lg/I Lg/I Lg/I Lg/	1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.0 1.0	Dilution  1 1 1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	Batch :	Analys
MW SA44  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6  Surrogate	Analyte(s) Organic Compounds Irganic Compounds by 8260B Irganic Compounds I	1.6 7.6 BRL 26.2 BRL 52.9 17.7 15.0	VTA	3-0026D  Units  La/1 La/1 La/1 La/1 La/1 La/1 La/1 La/	1.0 1.0 1.0 1.0 1.0 1.0 2.0 1.0	Dilution  1 1 1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	Batch :	Analysi

Sample Identification
MW-8
SA46991-03

Matrix Ground Water Collection Date/Time 20-Jun-06 11:10

	o. Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analys
Volatile	Organic Compounds										
Volatile C	Organic Compounds by 8260B										
Prepare	ed by method SW846 503	30 Water MS									
71-43-2	Benzene	BRL		µg/I	1.0	1	SW846 8260B	26-Jun-06	26-Jun-06	6061768	RIJ
100-41-4	Ethylbenzene	BRL		μ <b>g</b> /l	1.0	1	H	п	•	•	×
1634-04-4	Methyl tert-butyl ether	BRL		μ <b>g</b> /l	1.0	1	a	п	•		•
91-20-3	Naphthalene	BRL		μg/Ι	1.0	1	•	•	•	•	
108-88-3	Toluene	BRL		μg/l	1.0	1		•	•	•	•
95-63-6	1,2,4-Trimethylbenzene	BRL		μg/l	1.0	1	•	•	•	đ	•
108-67-8	1,3,5-Trimethylbenzene	BRL		μg/l	1.0	1	•	•	•	•	•
1330-20-7	m,p-Xylene	BRL		μ <b>g</b> /l	2.0	1	•	•	•	•	•
95-47-6	o-Xylene	BRL		μ <b>ე</b> /Ι	1.0	1	•	•		•	•
Surrogate	recoveries:										
460-00-4	4-Bromofluorobenzene	102		70-130 %	6			n	•	н	ti
2037-26-5	Toluene-d8	97.4		70-130 9	6			•	u		
17060-07-0	1,2-Dichloroethane-d4	81.6		70-130 9	6		•	H		D	•
1868-53-7	Dibromofluoromethane	95.8		70-130 9	6			•	•		*
Com	ple Identification										
Sam			•								
				Project #	_	Matrix		n Date/Tim	_	Receive	_
MW				: <u>Project #</u> 3-0026D	Gı	<u>Matrix</u> ound Wat		n <u>Date/Tim</u> n-06 11:35	_	Receive 22-Jun-(	_
MW SA4	-3	Result			Gı * <i>RDL</i>				-	22-Jun-(	96
MW SA4	- <b>3</b> 6991-04	Result	VTA	3-0026D		ound Wat	er 20-Jun	ı-06 11:35	-	22-Jun-(	96
MW SA4 CAS No Volatile	-3 6991-04 . Analyte(s) Organic Compounds	Result	VTA	3-0026D		ound Wat	er 20-Jun	ı-06 11:35	-	22-Jun-(	96
MW SA4 CAS No Volatile Volatile C	-3 6991-04  Analyte(s)  Organic Compounds  organic Compounds by 8260B		VTA	3-0026D		ound Wat	er 20-Jun	ı-06 11:35	-	22-Jun-(	96
MW SA4 CAS No Volatile Volatile C Prepare	-3 6991-04 • Analyte(s) Organic Compounds Organic Compounds by 8260B ed by method SW846 503	0 Water MS	VTA	3-0026D  Units	*RDL	ound Wat	er 20-Jun	ı-06 11:35	-	22-Jun-0	96
MW SA4 CAS No Volatile Volatile C Prepare	-3 6991-04  Analyte(s)  Organic Compounds  Organic Compounds by 82608  od by method SW846 503  Benzene	30 Water MS BRL	VTA	3-0026D <i>Units</i>	* <i>RDL</i>	Ound Wat	er 20-Jun	Prepared	Analyzed	22-Jun-0	Analys
MW SA4 CAS No Volatile Volatile C Prepare 71-43-2 100-41-4	6991-04  Analyte(s)  Organic Compounds  Organic Compounds by 8260B  od by method SW846 503  Benzene  Ethylbenzene	30 Water MS BRL 6.0	VTA	3-0026D <i>Units</i> µg/l	*RDL	Dilution	er 20-Jun  Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	22-Jun-0 <i>Batch</i> 6061860	Analys
MW SA4 CAS No Volatile Volatile C Prepare 71-43-2 100-41-4 1634-04-4	6991-04  Analyte(s)  Organic Compounds  Organic Compounds by 8260B  od by method SW846 503  Benzene  Ethylbenzene  Methyl tert-butyl ether	30 Water MS BRL	VTA	3-0026D <i>Units</i> 19/1 19/1 19/1	*RDL	Dilution  1 1	Method Ref.  SW846 82608	Prepared	Analyzed  27-Jun-06	22-Jun-0 <i>Batch</i> 6061860	Analys
MW SA4 CAS No Volatile Volatile C	6991-04  Analyte(s)  Organic Compounds  Organic Compounds by 8260B  od by method SW846 503  Benzene  Ethylbenzene	BO Water MS BRL 6.0 BRL 38.6	VTA	3-0026D  Units  IDI IQI IQI IQI	*RDL  1.0 1.0 1.0	Dilution  1 1 1	Method Ref.  SW846 82608	Prepared	Analyzed 27-Jun-06	Batch 2	Analys
MW SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3	6991-04  Analyte(s)  Organic Compounds  Analyte(s)  Organic Compounds by 8260B  Analyte(s)  Organic Compounds  Organic Co	30 Water MS BRL 6.0 BRL	VTA	3-0026D <i>Units</i> 12/1 12/1 12/1 12/1 12/1	*RDL  1.0 1.0 1.0 1.0	Dilution  1 1 1 1	Method Ref.  SW846 82608	Prepared	Analyzed  27-Jun-06	Batch 2	Analys
MW SA4 CAS No Volatile C Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3	General Analyte(s)  Organic Compounds  Organic Compounds by 8260B  organic Compounds  Berzene  Ethylbenzene  Ethylbenzene  Methyl tert-butyl ether  Naphthalene  Toluene  1,2,4-Trimethylbenzene	80 Water MS BRL 6.0 BRL 38.6 1.3	VTA	3-0026D <i>Units</i>	*RDL  1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1	Method Ref.  SW846 82608	Prepared	Analyzed  27-Jun-06	Batch 2	Analys
MW SA4  CAS No  Volatile Corprepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Co	80 Water MS BRL 6.0 BRL 38.6 1.3 44.5 22.5	VTA	3-0026D  Units  19/1 19/1 19/1 19/1 19/1	*RDL  1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1 1	Method Ref.  SW846 82608	Prepared	Analyzed  27-Jun-06	Batch 2	Analys
MW SA4  CAS No  Volatile C  Prepare  71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7	6991-04  Analyte(s)  Organic Compounds  Organic Compounds by 8260B  organic Compounds  Beacene  Ethylbenzene  Methyl tert-butyl ether  Naphthalene  Toluene  1,2,4-Trimethylbenzene  1,3,5-Trimethylbenzene  m,p-Xylene	80 Water MS BRL 6.0 BRL 38.6 1.3 44.5	VTA	3-0026D  Units  19/1 19/1 19/1 19/1 19/1 19/1 19/1	*RDL  1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1 1	Method Ref.  SW846 82608	Prepared	Analyzed  27-Jun-06	Batch 2	Analys
MW SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6	6991-04  Analyte(s)  Organic Compounds  Organic Compounds by 82608  od by method SW846 503  Benzene  Ethylbenzene  Methyl tert-butyl ether  Naphthalene  Toluene  1,2,4-Trimethylbenzene  1,3,5-Trimethylbenzene  m,p-Xylene  o-Xylene	80 Water MS BRL 6.0 BRL 38.6 1.3 44.5 22.5 14.6	VTA	3-0026D  Units  19/1 19/1 19/1 19/1 19/1	*RDL  1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.0	Dilution  1 1 1 1 1 1 1 1 1 1	Method Ref.  SW846 82608	Prepared	Analyzed  27-Jun-06	Batch 2	Analys
MW SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6  Surrogate	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Co	80 Water MS BRL 6.0 BRL 38.6 1.3 44.5 22.5 14.6	VTA	3-0026D <i>Units</i>	*RDL  1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	Dilution  1 1 1 1 1 1 1 1 1 1	Method Ref.  SW846 82608	Prepared	Analyzed  27-Jun-06	Batch 2	Analys
MW SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6  Surrogate 460-00-4	General Analyte(s)  Organic Compounds  Organic Compounds  Organic Compounds by 8260B  Organic Compounds by 8260B  Organic Compounds by 8260B  Organic Compounds  Orga	80 Water MS BRL 6.0 BRL 38.6 1.3 44.5 22.5 14.6 11.4	VTA	3-0026D  Units  19/1 19/1 19/1 19/1 19/1 19/1 19/1	*RDL  1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	Dilution  1 1 1 1 1 1 1 1 1 1	Method Ref.  SW846 82608	Prepared	Analyzed  27-Jun-06	Batch 2	Analys
MW SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6  Surrogate	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Co	80 Water MS BRL 6.0 BRL 38.6 1.3 44.5 22.5 14.6	VTA	3-0026D  Units  (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	*RDL  1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	Dilution  1 1 1 1 1 1 1 1 1 1	Method Ref.  SW846 82608	Prepared	Analyzed  27-Jun-06	Batch 2	Analys

Matrix Ground Water Collection Date/Time 20-Jun-06 11:35

CABINE	o. Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analys
Volatile	Organic Compounds										
	Organic Compounds by 8260B		R-05								
Prepare	ed by method SW846 503	30 Water MS									
71-43-2	Benzene	BAL		μg/l	10.0	10	SW846 8260B	26-Jun-06	26-Jun-06	6061768	RLJ
100-41-4	Ethylbenzene	16.5		μg/l	10.0	10	u	n		•	•
1634-04-4	Methyl tert-butyl ether	BRL		HB/I	10.0	10	•	•	•	•	
91-20-3	Naphthalene	93.8		μ <b>g</b> /1	10.0	10	•	•	•	•	•
108-88-3	Toluene	8RL		μ <b>g</b> /l	10.0	10	•	•	•	•	9
95-63-6	1,2,4-Trimethylbenzene	404		μg/l	10.0	10	•	•	•	Ħ	•
108-67-8	1,3,5-Trimethylbenzene	147		μ <b>g</b> /l	10.0	10		•	4	•	•
1330-20-7	m,p-Xylene	23.8		μg/l	20.0	10	•	•	•	•	•
95-47-6	o-Xylene	BRL		μ <b>g</b> /l	10.0	10	•	•	•	•	•
Surrogate	recoveries:										
460-00-4	4-Bromofluorobenzene	110		70-130	%		•		đ	u	и
2037-26-5	Toluene-d8	96.6		70-130	%		•	•			•
17060-07-0	1,2-Dichloroethane-d4	82.0		70-130	%		а	•		•	•
1868-53-7	Dibromofluoromethane	98.8		70-130	%		ч	н	•	•	•
Sam	ple Identification	y									
				Project #		<u>Matrix</u>		n Date/Tim	_	Receive	-
Dup	licate 6991-06			: <u>Project #</u> 3-0026D		<u>Matrix</u> ound Wat		<u>n Date/Tim</u> -06 11:40	_	Receive 22-Jun-(	-
Dup SA4	licate	Result								22-Jun-(	)6
Dup SA4	licate 6991-06	Result	VTA	3-0026D	Gı	ound Wat	er 20-Jun	-06 11:40		22-Jun-(	)6
Dup SA4 CAS No. Volatile	licate 6991-06 Analyte(s)	Result	VTA	3-0026D	Gı	ound Wat	er 20-Jun	-06 11:40		22-Jun-(	)6
Dup SA4 CAS No. Volatile Volatile O	licate 6991-06 . <i>Analyte(s)</i> Organic Compounds		VTA	3-0026D	Gı	ound Wat	er 20-Jun	-06 11:40		22-Jun-(	)6
Dup SA46 CAS No. Volatile Volatile O Prepare	licate 6991-06  Analyte(s)  Organic Compounds  organic Compounds by 8260B		VTA	3-0026D Units	Gı	ound Wat	er 20-Jun	-06 11:40		22-Jun-(	)6
Dup SA46 CAS No. Volatile Volatile O Prepare	licate 6991-06  Analyte(s)  Organic Compounds  organic Compounds by 8260B  ord by method SW846 503	0 Water MS	VTA	3-0026D  Units	**************************************	ound Wat	er 20-Jun	Prepared	Analyzed	22-Jun-(	Analyst
Dup SA40 CAS No. Volatile Volatile O Prepare 71-43-2 100-41-4	licate 6991-06  Analyte(s)  Organic Compounds Irganic Compounds by 8260B and by method SW846 503  Benzene	0 Water MS	VTA	3-0026D <i>Units</i> µg/l  µg/l	**************************************	Dilution  5	er 20-Jun	Prepared	Analyzed	22-Jun-(	Analyst
Dup SA44 CAS No. Volatile Volatile O Prepare 71-43-2 100-41-4 1634-04-4	licate 6991-06  Analyte(s)  Organic Compounds  organic Compounds by 8260B  od by method SW846 503  Benzene Ethylbenzene	0 Water MS BRL 15.1	VTA	3-0026D  Units	**************************************	Dilution  5 5	er 20-Jun  Method Ref.  SW846 8260B	Prepared	Analyzed	22-Jun-(  Batch	Analysi
Dup SA44 CAS No. Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3	licate 6991-06  Analyte(s)  Organic Compounds by 8260B d by method SW846 503  Benzene Ethylbenzene Methyl tert-butyl ether	0 Water MS BRL 15.1 BRL	VTA	3-0026D  Units  µg/1 µg/1 µg/1	5.0 5.0 10.0	Dilution  5 5 5 5	er 20-Jun  Method Ref.  SW846 8260B	Prepared	Analyzed	22-Jun-(  Batch	Analysi
Dup SA40 CAS No. Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3	licate 6991-06  Analyte(s)  Organic Compounds Inganic Compounds by 8260B Ind by method SW846 503  Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene	0 Water MS BRL 15.1 BRL 116	VTA	3-0026D  Units   Lg/1  Lg/1  Lg/1  Lg/1	5.0 5.0 10.0 5.0	Dilution  5 5 5 5 5	er 20-Jun  Method Ref.  SW846 8260B	Prepared	Analyzed 30-Jun-06	22-Jun-(  Batch 6062160	Analysi
Dup SA44 CAS No. Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-83-3 95-63-6	licate 6991-06  Analyte(s)  Organic Compounds Inganic Compounds by 8260B Ind by method SW846 503  Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene Toluene	O Water MS BRL 15.1 BRL 116 BRL	VTA	3-0026D  Units   µg/l  µg/l  µg/l  µg/l  µg/l  µg/l	5.0 5.0 5.0 10.0 5.0 5.0	Dilution  5 5 5 5 5	er 20-Jun  Method Ref.  SW846 8260B	Prepared	Analyzed 30-Jun-06	22-Jun-(  Batch	Analysi
Dup SA40 Volatile Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8	licate 6991-06  Analyte(s)  Organic Compounds Irganic Compounds by 8260B Ind by method SW846 503  Benzene Ethylbenzene Methyl terl-butyl ether Naphthalene Toluene 1,2,4-Trimethylbenzene	0 Water MS BRL 15.1 BRL 116 BRL 461	VTA	3-0026D  Units   µg/l  µg/l  µg/l  µg/l  µg/l  µg/l  µg/l  µg/l  µg/l	5.0 5.0 10.0 5.0 5.0 5.0	Dilution  5 5 5 5 5 5 5	er 20-Jun  Method Ref.  SW846 8260B	Prepared	Analyzed 30-Jun-06	22-Jun-(  Batch	Analyst
Dup SA44 CAS No. Volatile O Prepare 71-43-2 600-41-4 634-04-4 01-20-3 608-88-3 95-63-6 108-67-8 1330-20-7	licate 6991-06  Analyte(s)  Organic Compounds organic Compounds by 8260B od by method SW846 503  Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	0 Water MS  BRL  15.1  BRL  116  BRL  461  164	VTA	3-0026D  Units  Lg/1  Lg/1  Lg/1  Lg/1  Lg/1  Lg/1  Lg/1	5.0 5.0 10.0 5.0 5.0 5.0 5.0	Dilution  5 5 5 5 5 5 5 5	er 20-Jun  Method Ref.  SW846 8260B	Prepared	Analyzed 30-Jun-06	22-Jun-(  Batch	Analyst
Dup SA44 CAS No. Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6	licate 6991-06  Analyte(s)  Organic Compounds Irganic Compounds by 8260B Irganic Compounds Benzene Ethylbenzene Ethylbenzene Methyl tert-butyl ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m,p-Xylene	80 Water MS BRL 15.1 BRL 116 BRL 461 164 21.0	VTA	3-0026D  Units   Lg/1  Lg/1  Lg/1  Lg/1  Lg/1  Lg/1  Lg/1  Lg/1  Lg/1	5.0 5.0 10.0 5.0 5.0 5.0 5.0	Dilution  5 5 5 5 5 5 5	er 20-Jun  Method Ref.  SW846 8260B	Prepared	Analyzed 30-Jun-06	22-Jun-(  Batch	Analyst
Dup SA44 CAS No. Volatile O Prepare 71-43-2 600-41-4 634-04-4 91-20-3 608-88-3 95-63-6 608-67-8 6330-20-7 95-47-6 Surrogate	licate 6991-06  Analyte(s)  Organic Compounds Inganic Compounds by 8260B Ind by method SW846 503  Benzene Ethylbenzene Methyl terl-butyl ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m,p-Xylene o-Xylene	80 Water MS BRL 15.1 BRL 116 BRL 461 164 21.0	VTA	3-0026D  Units   Lg/1  Lg/1  Lg/1  Lg/1  Lg/1  Lg/1  Lg/1  Lg/1  Lg/1	5.0 5.0 10.0 5.0 5.0 5.0 5.0 5.0	Dilution  5 5 5 5 5 5 5	er 20-Jun  Method Ref.  SW846 8260B	Prepared	Analyzed 30-Jun-06	22-Jun-(  Batch	Analysi
Dup SA44 CAS No. Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6	licate 6991-06  Analyte(s)  Organic Compounds Inganic Compounds by 8260B Ind by method SW846 503  Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m,p-Xylene o-Xylene recoveries:	BRL 15.1 BRL 116 BRL 461 164 21.0 6.8	VTA	3-0026D  Units  LD/1	5.0 5.0 10.0 5.0 5.0 5.0 5.0 5.0	Dilution  5 5 5 5 5 5 5	er 20-Jun  Method Ref.  SW846 8260B	Prepared	Analyzed 30-Jun-06	22-Jun-(  Batch	Analyst
Dup SA44 CAS No. Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-83-3 95-63-6 108-67-8 1330-20-7 95-47-6 Surrogate 460-00-4	licate 6991-06  Analyte(s)  Organic Compounds Irganic Compounds by 8260B Irganic Compounds Irganic Com	BRL 15.1 BRL 116 BRL 461 164 21.0 6.8	VTA	3-0026D  Units   Lg/I  Lg/I	5.0 5.0 10.0 5.0 5.0 5.0 5.0 5.0	Dilution  5 5 5 5 5 5 5	er 20-Jun  Method Ref.  SW846 8260B	Prepared	Analyzed 30-Jun-06	22-Jun-(  Batch	Analyst

Matrix Ground Water Collection Date/Time 20-Jun-06 12:00

CAS NO	o. Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analys
Volatile	e Organic Compounds										
Volatile (	Organic Compounds by 8260B										
Prepare	ed by method SW846 503	30 Water MS									
71-43-2	Benzene	BRL		μg/l	1.0	1	SW846 8260B	26-Jun-06	26-Jun-06	6061768	RLJ
100-41-4	Ethylbenzene	BRL		μg/l	1.0	1	•	•	•	•	•
1634-04-4	Methyl tert-butyl ether	BRL		μg/l	1.0	1		•	•	•	•
91-20-3	Naphthalene	BRL		μ <b>g</b> /1	1.0	1	•	•	•	•	•
108-88-3	Toluene	BRL.		μ <b>р</b> /Ι	1.0	1	•	•		•	•
95-63-6	1,2,4-Trimethylbenzene	BRL		μg/Ι	1.0	1		•	•	•	•
108-67-8	1,3,5-Trimethylbenzene	BRL		μ <b>g</b> /1	1.0	1	•	и	•	•	•
1330-20-7	m,p-Xylene	BRL		дд∕1	2.0	1	•	•	•	•	•
95-47-6	o-Xylene	BRL		μд/Ι	1.0	1	•	•	•	•	
Surrogate	recoveries:								•	•	•
460-00-4	4-Bromofluorobenzene	103	•	70-130	%		•	•	•		•
2037-26-5	Toluene-d8	93.6		70-130	%		•	u		•	•
17060-07-0	1,2-Dichloroethane-d4	81.6		70-130	%		•		•	D	
1868-53-7	Dibromofluoromethane	103		70-130	%		•	•	•	• ,	Ħ
Sam	ple Identification	7-4					A PROPERTY OF A PROPERTY OF THE PROPERTY OF TH		andreasan and a second control of the second		7
Sam	pro radiititioation		Cliant	Droject #		Materix	Collectio	n Data/Tim		Dagaina	.al
MW				Project #		Matrix		n Date/Tim		Receive	
MW				<u> Project #</u> 3-0026D		Matrix ound Wate		n Date/Tim -06 13:05		<u>Receive</u> 22-Jun-(	
MW SA4	-15	Result								22-Jun-(	)6
MW SA4 CAS No	-15 6991-08	Result	VTA	3-0026D	Gı	ound Wat	er 20-Jun	-06 13:05		22-Jun-(	)6
MW SA4 CAS No Volatile	-15 6991-08 . Analyte(s)	Result	VTA	3-0026D	Gı	ound Wat	er 20-Jun	-06 13:05		22-Jun-(	)6
MW SA4 CAS No. Volatile Volatile O	-15 6991-08 . <i>Analyte(s)</i> Organic Compounds		VTA	3-0026D	Gı	ound Wat	er 20-Jun	-06 13:05		22-Jun-(	)6
MW SA4 CAS No. Volatile Volatile O Prepare	-15 6991-08  Analyte(s)  Organic Compounds  Organic Compounds by 8260B	0 Water MS	VTA	3-0026D  Units	Gı *RDL	ound Wat	er 20-Jun	-06 13:05	Analyzed	22-Jun-(	)6 Analysi
MW SA4 CAS No. Volatile Volatile O Prepare	-15 6991-08  Analyte(s)  Organic Compounds  Organic Compounds by 8260B  Ed by method SW846 503  Benzene	0 Water MS BRL	VTA	3-0026D  Units	**************************************	ound Wate	er 20-Jun	Prepared		22-Jun-(	)6
MW SA4 CAS No Volatile Volatile O Prepare 71-43-2 100-41-4	-15 6991-08  Analyte(s)  Organic Compounds  Organic Compounds by 8260B  od by method SW846 503  Benzene Ethylbenzene	0 Water MS BRL BRL	VTA	3-0026D <i>Units</i> µg/l  µg/l	**RDL 1.0 1.0	Dilution	er 20-Jun	Prepared	Analyzed	22-Jun-(	Analysi Analysi RLJ
MW SA4 CAS No Volatile Volatile O Prepare 71-43-2 100-41-4 1634-04-4	-15 6991-08  Analyte(s)  Organic Compounds  Organic Compounds by 8260B  od by method SW846 503  Benzene Ethylbenzene Methyl tert-butyl ether	0 Water MS BRL BRL BRL	VTA	3-0026D  Units  Lg/l Lg/l Lg/l	**RDL 1.0 1.0 1.0 1.0	Dilution	er 20-Jun	Prepared	Analyzed	Batch .	Analysi Analysi RLJ
MW SA4  CAS No  Volatile O  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3	7-15 6991-08  Analyte(s)  Organic Compounds Organic Compounds by 8260B organic Compounds SW846 503  Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene	0 Water MS BRL BRL BRL BRL	VTA	3-0026D  Units  Ig/I  Ig/I  Ig/I  Ig/I	*RDL  1.0 1.0 1.0 1.0 1.0	Dilution	er 20-Jun	Prepared	Analyzed	Batch .	06 Analysi RLJ
MW SA4  CAS No  Volatile O  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Co	0 Water MS BRL BRL BRL BRL BRL	VTA	3-0026D  Units  IQ/I IQ/I IQ/I IQ/I IQ/I IQ/I IQ/I	**RDL 1.0 1.0 1.0 1.0	Dilution  1 1 1 1	er 20-Jun	Prepared	Analyzed	Batch .	Analysi Analysi RLJ
MW SA4  CAS No  Volatile O  Prepare  71-43-2  100-41-4  1634-04-4  91-20-3  108-88-3  95-63-6	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Co	0 Water MS BRL BRL BRL BRL BRL BRL	VTA	3-0026D  Units  Ig/I  Ig/I  Ig/I  Ig/I	**RDL  1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1	er 20-Jun	Prepared	Analyzed	Batch .	06 Analysi RLJ
MW SA4: CAS No Volatile O Prepare 71-43-2 100-41-4 1634-04-4 31-20-3 108-88-3 35-63-6 108-67-8	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Co	0 Water MS BRL BRL BRL BRL BRL BRL BRL	VTA	3-0026D  Units   LDA  LDA  LDA  LDA  LDA  LDA  LDA  L	1.0 1.0 1.0 1.0 1.0 1.0	Dilution	er 20-Jun	Prepared	Analyzed  26-Jun-06	Batch .	Analysi RLJ • •
MW SA4 Volatile Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Co	0 Water MS BRL BRL BRL BRL BRL BRL BRL	VTA	3-0026D  Units  LD/1 LD/1 LD/1 LD/1 LD/1 LD/1 LD/1 LD/	1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.0	Dilution  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	er 20-Jun	Prepared	Analyzed  26-Jun-06	Batch .	Analysi RLJ • •
MW SA4  CAS No  Volatile O  Prepare  71-43-2  100-41-4  1634-04-4  91-20-3  108-88-3  95-63-6  108-67-8  1330-20-7  95-47-6	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Co	0 Water MS BRL BRL BRL BRL BRL BRL BRL	VTA	3-0026D  Units   LDA  LDA  LDA  LDA  LDA  LDA  LDA  L	1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	er 20-Jun	Prepared	Analyzed  26-Jun-06	Batch .	Analysi RLJ • •
MW SA4  CAS No  Volatile O  Prepare  71-43-2  100-41-4  1634-04-4  91-20-3  108-88-3  95-63-6  108-67-8  1330-20-7  95-47-6  Surrogate	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Co	0 Water MS  8RL  8RL  8RL  8RL  8RL  8RL  8RL  8R	VTA	3-0026D  Units  Lg/1 Lg/1 Lg/1 Lg/1 Lg/1 Lg/1 Lg/1 Lg/	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	er 20-Jun	Prepared	Analyzed  26-Jun-06	Batch .	Analys:
MW SA4  CAS No  Volatile O  Prepare  71-43-2  100-41-4  1634-04-4  91-20-3  108-88-3  95-63-6  108-67-8  1330-20-7  95-47-6  Surrogate  460-00-4	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Co	0 Water MS  BRL  BRL  BRL  BRL  BRL  BRL  BRL  BR	VTA	3-0026D  Units  Lg/I  Lg/I	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	er 20-Jun	Prepared	Analyzed  26-Jun-06	Batch .	Analys:
MW SA4  CAS No  Volatile O  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Co	0 Water MS  8RL  8RL  8RL  8RL  8RL  8RL  8RL  8R	VTA	3-0026D  Units  Lg/1 Lg/1 Lg/1 Lg/1 Lg/1 Lg/1 Lg/1 Lg/	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	er 20-Jun	Prepared	Analyzed  26-Jun-06	Batch .	Analysi RLJ • •

Matrix Ground Water Collection Date/Time 20-Jun-06 13:10

CAS NO	o. Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analys
Volatile	Organic Compounds					,	•				
Volatile (	Organic Compounds by 8260B										
Prepare	ed by method SW846 503	30 Water MS									
71-43-2	Benzene	BRL		μд/Ι	1.0	1	SW846 8260B	27-Jun-06	27-Jun-06	6061860	RLJ
100-41-4	Ethylbenzene	BRL		hB∖l	1.0	1		•	•	•	•
1634-04-4	Methyl tert-butyl ether	BRL		μ <b>g</b> /1	1.0	1	•	•	•	•	
91-20-3	Naphthalene	BRL		<b>/g</b> /l	1.0	1	•	•	•	•	•
108-88-3	Toluene	BRL		µg/l	1.0	1	•		•	•	Þ
95-63-6	1,2,4-Trimethylbenzene	1.3		μgЛ	1.0	1	•	4	•		•
108-67-8	1,3,5-Trimethylbenzene	BRL		μg/l	1.0	1	u	н		u	•
1330-20-7	m,p-Xylene	BRL		μg/l	2.0	1	u	н	•	•	•
95-47-6	o-Xylene	BRL		μ <b>g</b> /Ι	1.0	1	•	•	ь	•	a
Surrogate	recoveries:										
460-00-4	4-Bromofluorobenzene	105		70-130 %	6		M			•	•
2037-26-5	Toluene-d8	104		70-130 %	6		•	•	u	•	•
17060-07-0	1,2-Dichloroethane-d4	78.2		70-130 %	6		•	•	•		
1868-53-7	Dibromofluoromethane	98.6		70-130 %	6		•		•		
MW	ple Identification		Client	Project #		Matrix	Collectio	n Date/Tin	۱۵ .	Receive	·d
	-17 6991-10			3-0026D	Gı	round Wate		1-06 13:15		22-Jun-(	_
SA4		Result			**************************************					22-Jun-(	)6 
SA4	6991-10 . Analyte(s)	Result	VTA	3-0026D		round Wate	er 20-Jun	-06 13:15		22-Jun-(	)6 
SA4 <i>CAS No</i> Volatile	6991-10  Analyte(s)  Organic Compounds	Result	VTA	3-0026D		round Wate	er 20-Jun	-06 13:15		22-Jun-(	)6 
SA4  CAS No  Volatile  Volatile C	6991-10  Analyte(s)  Organic Compounds  Organic Compounds by 8260B		VTA	3-0026D		round Wate	er 20-Jun	-06 13:15		22-Jun-(	)6 
SA4  CAS No  Volatile  Volatile C  Prepare	6991-10  Analyte(s)  Organic Compounds  Organic Compounds by 8260B  Ind by method SW846 503	0 Water MS	VTA	3-0026D  Units	*RDL	Dilution	er 20-Jur Method Ref.	Prepared	Analyzed	22-Jun-(	Analyst
SA4  CAS No  Volatile  Volatile C  Prepare	6991-10  Analyte(s)  Organic Compounds  organic Compounds by 8260B  od by method SW846 503  Benzene	0 Water MS	VTA	3-0026D <i>Units</i>	* <i>RDL</i>	round Wate	er 20-Jun	-06 13:15		22-Jun-(	)6 
SA4- CAS No Volatile Volatile C Prepare 71-43-2 100-41-4	6991-10  Analyte(s)  Organic Compounds  organic Compounds by 8260B  od by method SW846 503  Benzene Ethylbenzene	0 Water MS BRL BRL	VTA	3-0026D <i>Units</i> µg/l µg/l	* <i>RDL</i>	Dilution	er 20-Jur <i>Method Ref.</i> SW846 8260B	Prepared	Analyzed	22-Jun-(	Analyst
SA4- CAS No Volatile Volatile C Prepare 71-43-2 100-41-4 1634-04-4	Analyte(s) Organic Compounds Organic Compounds by 8260B organic Compounds by 8260B organic SW846 503 Benzene Ethylbenzene Methyl tert-butyl ether	0 Water MS BRL BRL BRL	VTA	3-0026D  Units  µg/l µg/l µg/l	* <i>RDL</i>	Dilution  1	Method Ref.  SW846 8260B	Prepared	Analyzed	22-Jun-(	Analyst
SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3	6991-10  Analyte(s)  Organic Compounds  organic Compounds by 8260B  od by method SW846 503  Benzene Ethylbenzene	O Water MS  BRL  BRL  BRL  BRL  BRL	VTA	3-0026D  Units  19/1 19/1 19/1 19/1	*RDL  1.0 1.0 1.0 1.0	Dilution  1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	Batch 6061860	Analyst
SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3	Analyte(s) Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Co	O Water MS  BRL  BRL  BRL  BRL  BRL  BRL	VTA	3-0026D  Units  µg/l µg/l µg/l µg/l µg/l	* <i>RDL</i> 1.0 1.0 1.0	Dilution  1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	Batch 6061860	Analyst
SA4  CAS No  Volatile C  Prepare  71-43-2  100-41-4  1634-04-4  91-20-3  108-88-3  95-63-6	Analyte(s) Organic Compounds Irganic Compounds by 8260B Ird by method SW846 503 Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene	O Water MS  BRL  BRL  BRL  BRL  BRL	VTA	3-0026D  Units  19/1 19/1 19/1 19/1	*RDL  1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	Batch 6061860	Analyst
SA4  CAS No  Volatile C  Prepare  71-43-2  100-41-4  1634-04-4  91-20-3  108-88-3  95-63-6  108-67-8	Analyte(s) Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Co	0 Water MS  BRL  BRL  BRL  BRL  BRL  BRL	VTA	3-0026D  Units  µg/l µg/l µg/l µg/l µg/l µg/l µg/l	1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	8atch 6061860	Analyst
SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7	Analyte(s)  Organic Compounds  Organic Compounds by 82608  Ethylbenzene  Ethylbenzene  Methyl tert-butyl ether  Naphthalene  Toluene  1,2,4-Trimethylbenzene	O Water MS  BRL  BRL  BRL  BRL  BRL  BRL  BRL	VTA	3-0026D  Units  µg/l µg/l µg/l µg/l µg/l µg/l	1.0 1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	8atch 6061860	Analyst
SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6	Analyte(s)  Organic Compounds  Organic Compounds  Organic Compounds by 8260B  Organic Compounds by 8260B  Organic Compounds by 8260B  Organic Compounds  Organic Compounds  Bezene  Ethylbenzene  Ethylbenzene  Methyl tert-butyl ether  Naphthalene  Toluene  1,2,4-Trimethylbenzene  1,3,5-Trimethylbenzene  m,p-Xylene  o-Xylene	O Water MS  BRL  BRL  BRL  BRL  BRL  BRL  BRL  BR	VTA	3-0026D  Units   Lg/I  Lg/I  Lg/I  Lg/I  Lg/I  Lg/I  Lg/I  Lg/I  Lg/I  Lg/I	1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.0	Dilution  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	8atch 6061860	Analyst
SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6  Surrogate	Organic Compounds Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds Organic Comp	O Water MS  BRL  BRL  BRL  BRL  BRL  BRL  BRL  BR	VTA	3-0026D  Units   Lg/I  Lg/I  Lg/I  Lg/I  Lg/I  Lg/I  Lg/I  Lg/I  Lg/I  Lg/I	1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.0	Dilution  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	8atch 6061860	Analyst
SA4  CAS No  Volatile C  Prepare  71-43-2  100-41-4  1634-04-4  91-20-3  108-88-3  95-63-6  108-67-8  1330-20-7  95-47-6  Surrogate  460-00-4	Analyte(s)  Organic Compounds  organic Compounds by 8260B  organic Compounds  Bezene  Ethylbenzene  Methyl tert-butyl ether  Naphthalene  Toluene  1,2,4-Trimethylbenzene  1,3,5-Trimethylbenzene  m,p-Xylene  o-Xylene	O Water MS  BRL  BRL  BRL  BRL  BRL  BRL  BRL  BR	VTA	3-0026D  Units  Lg/1 Lg/1 Lg/1 Lg/1 Lg/1 Lg/1 Lg/1 Lg/	1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.0	Dilution  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	8atch 6061860	Analyst
SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 82608 Organic Compounds by 82608 Organic Compounds by 82608 Organic Compounds by 82608 Organic Compounds O	O Water MS  BRL  BRL  BRL  BRL  BRL  BRL  BRL  BR	VTA	3-0026D  Units  µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/	1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.0	Dilution  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed  27-Jun-06	8atch 6061860	Analyst

Matrix Surface Water Collection Date/Time 20-Jun-06 12:15

CAS No	o. Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analys
Volatile	Organic Compounds										
Volatile C	Organic Compounds by 8260B										
Prepare	ed by method SW846 50	30 Water MS									
71-43-2	Benzene	BRL		μ <b>g</b> /Ι	1.0	1	SW846 8260B	27-Jun-06	27-Jun-06	6061860	RLJ
100-41-4	Ethylbenzene	BRL		μ <b>g</b> /l	1.0	1	•	•	•	•	•
1634-04-4	Methyl tert-butyl ether	BRL		μ <b>g</b> /l	1.0	1	•	•	•	•	•
91-20-3	Naphthalene	BRL		μ <b>g</b> /1	1.0	1	•	•	•	•	•
108-88-3	Toluene	BRL		μg/Ι	1.0	1	•	•	•	4	ď
95-63-6	1,2,4-Trimethylbenzene	8RL		<b>μ</b> g/Ι	1.0	1	<b>±</b>	Ħ	•	•	u
108-67-8	1,3,5-Trimethylbenzene	BRL		μg/l	1.0	1	B.	a	•	•	٠
1330-20-7	m,p-Xylene	BRL		<b>μ</b> g/l	2.0	1	•	•	•	•	•
95-47-6	o-Xylene	BRL		μg/l	1.0	1	•	•		4	•
Surrogate	recoveries:										
460-00-4	4-Bromofluorobenzene	104		70-130	%		•	•	•	•	•
2037-26-5	Toluene-d8	97.0		70-130	%		•	•	•	•	•
17060-07-0	1,2-Dichloroethane-d4	<i>82.0</i>		70-130	%		ď		•	•	•
1868-53-7	Dibromofluoromethane	99.4		70-130	%		u u	U	•	ų	•
Sam	nle Identification										
	ple Identification			t Project#		<u>Matrix</u>		n Date/Tim		Receive	
SW-	2			t Project # .3-0026D		Matrix ırface Wat		n <u>Date/Tim</u> i-06 12:15		<u>Receive</u> 22-Jun-	_
SW-											_
SW- SA4	2	Result								22-Jun-(	06
SW- SA4	<b>2</b> 6991-12	Result	VTA	.3-0026D	Sı	ırface Wat	er 20-Jur	1-06 12:15		22-Jun-(	06
SW- SA4 CAS No Volatile	2 6991-12 . Analyte(s)	Result	VTA	.3-0026D	Sı	ırface Wat	er 20-Jur	1-06 12:15		22-Jun-(	06
SW- SA4 CAS No Volatile	2 6991-12 . Analyte(s) Organic Compounds		VTA	.3-0026D	Sı	ırface Wat	er 20-Jur	1-06 12:15		22-Jun-(	06
SW- SA4 CAS No Volatile	2 6991-12  . Analyte(s)  Organic Compounds Organic Compounds by 8260B		VTA	.3-0026D <i>Units</i>	Sı	ırface Wat	er 20-Jur	1-06 12:15		22-Jun-(	06
SW- SA4 CAS No Volatile Volatile Q	2 6991-12  Analyte(s)  Organic Compounds Organic Compounds by 8260B and by method SW846 503 Benzene	30 Water MS BRL	VTA	3-0026D <i>Units</i>	*RDL	urface Wat	er 20-Jur Method Ref.	Prepared	Analyzed	22-Jun-(	Analys
SW-SA4  CAS No  Volatile Volatile CPrepare 71-43-2	2 6991-12  Analyte(s)  Organic Compounds Organic Compounds by 8260B and by method SW846 503  Benzene Ethylbenzene	30 Water MS BRL BRL	VTA	.3-0026D <i>Units</i> µg/l µg/l	***RDL	Dilution  1	er 20-Jur <i>Method Ref.</i> SW846 8260B	Prepared	Analyzed	22-Jun-(	O6 Analys
SW-SA4  CAS No  Volatile  Volatile C  Prepare 71-43-2 100-41-4	26991-12  Analyte(s)  Organic Compounds  Organic Compounds by 8260B  ed by method SW846 503  Benzene  Ethylbenzene  Methyl tert-butyl ether	30 Water MS BRL	VTA	3-0026D <i>Units</i>	*RDL	Dilution  1 1	Method Ref.  SW846 8260B	Prepared	Analyzed	22-Jun-(	O6 Analys
SW-SA4  CAS No  Volatile  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4	2 6991-12  Analyte(s)  Organic Compounds Organic Compounds by 8260B and by method SW846 503  Benzene Ethylbenzene	30 Water MS BRL BRL BRL	VTA	### ##################################	*RDL	Dilution  1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed	Batch 6061860	O6 Analys
SW-SA4  CAS No  Volatile Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B od by method SVV846 503 Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene Toluene	30 Water MS BRL BRL BRL BRL	VTA	3-0026D  Units   Units	*RDL  1.0 1.0 1.0 1.0	Dilution  1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed	Batch 6061860	O6 Analys
SW- SA4 Volatile C Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3	2 6991-12  Analyte(s)  Organic Compounds Organic Compounds by 82608 and by method SW846 503  Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene Toluene 1,2,4-Trimethylbenzene	30 Water MS  BRL  BRL  BRL  BRL  BRL  BRL	VTA	######################################	*RDL  1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed	Batch 6061860	O6 Analys
SW- SA4 CAS No Volatile C Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6	26991-12  Analyte(s)  Organic Compounds  Organic Compounds by 8260B  od by method SW846 503  Benzene  Ethylbenzene  Methyl tert-butyl ether  Naphthalene  Toluene  1,2,4-Trimethylbenzene  1,3,5-Trimethylbenzene	30 Water MS BRL BRL BRL BRL BRL BRL	VTA	3-0026D  Units   Units	*RDL  1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed	Batch 6061860	Analys RU .
SW-SA4  CAS No  Volatile Colored  71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8	2 6991-12  Analyte(s)  Organic Compounds Organic Compounds by 82608 and by method SW846 503  Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene Toluene 1,2,4-Trimethylbenzene	30 Water MS  BRL  BRL  BRL  BRL  BRL  BRL  BRL  BR	VTA	######################################	*RDL  1.0 1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed	Batch 6061860	Analys
SW-SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B o	BRL	VTA	.3-0026D <i>Units</i> µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/	*RDL  1.0 1.0 1.0 1.0 1.0 1.0 2.0	Dilution  1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed	Batch 6061860	Analys
SW-SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds O	30 Water MS  BRL  BRL  BRL  BRL  BRL  BRL  BRL  BR	VTA	.3-0026D <i>Units</i> µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed	Batch 6061860	Analys
SW- SA4 CAS No Volatile C Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6 Surrogate 460-00-4	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 82608 od by method SW846 503 Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m,p-Xylene o-Xylene recoveries: 4-Bromofluorobenzene	30 Water MS  BRL  BRL  BRL  BRL  BRL  BRL  BRL  BR	VTA	######################################	*RDL  1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed	Batch 6061860	Analys RU .
SW-SA4  CAS No  Volatile C  Prepare  71-43-2  100-41-4  1634-04-4  91-20-3  108-88-3  95-63-6  108-67-8  1330-20-7  95-47-6  Surrogate	6991-12  Analyte(s)  Organic Compounds Organic Compounds Organic Compounds by 8260B ed by method SW846 503  Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m,p-Xylene o-Xylene recovenes: 4-Bromofluorobenzene Toluene-d8	30 Water MS  BRL  BRL  BRL  BRL  BRL  BRL  BRL  BR	VTA	#9/1 #9/1 #9/1 #9/1 #9/1 #9/1 #9/1 #9/1	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.0 1.0	Dilution  1 1 1 1 1 1 1 1	Method Ref.  SW846 8260B	Prepared	Analyzed	Batch 6061860	Analys RLJ

<u>Matrix</u> Surface Water Collection Date/Time 20-Jun-06 14:30

<u></u>	. Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analys
Volatile	Organic Compounds										
Volatile C	Organic Compounds by 8260B										
Prepare	ed by method SW846 503	30 Water MS									
71-43-2	Benzene	BRL		μ <b>g/</b> Ι	1.0	1	SW846 8260B	27-Jun-06	27-Jun-06	6061860	RLJ
100-41-4	Ethylbenzene	BRL		μg/Ι	1.0	1	•	•	•	4	
1634-04-4	Methyl tert-butyl ether	BRL		μg/l	1.0	1	•	•	•	•	•
91-20-3	Naphthalene	BRL		μg/i	1.0	1	•	•	•		•
108-88-3	Toluene	BRL		μg/l	1.0	1	•	•	•	•	•
95-63-6	1,2,4-Trimethylbenzene	BRL		μ <b>g</b> /l	1.0	1	•	•			•
108-67-8	1,3,5-Trimethylbenzene	BRL		μg/Ι	1.0	1	•		<b>b</b>	•	•
1330-20-7	m,p-Xylene	BRL		μ <b>g</b> /l	2.0	1			•	•	u
95-47-6	o-Xylene	BRL		μg/I	1.0	1	н	d	×	a	a
Surrogate	recoveries:	<del></del>									
460-00-4	4-Bromofluorobenzene	98.8		70-130 9	%		¥	•	•	•	•
2037-26-5	Toluene-d8	<i>95.2</i>		70-130 9	%			d	•	•	•
17060-07-0	1,2-Dichloroethane-d4	<i>88</i> .0		70-130 9	%		*		•	•	•
1868-53-7	Dibromofluoromethane	102		70-130 9	%			Ħ	•	•	
Sami	ple Identification		Clian	. D		N. 6	Callagtia	n Data/Tim	10	Receive	d
			<u>Chen</u>	t Project #		<u>Matrix</u>	Conecno	n Date/Tim	<u>16</u>	Keceive	<u>.u</u>
PD-				3-0026D		irface Wat		1-06 14:35		22-Jun-(	
PD-6 SA4	5	Result								22 <b>-</b> Jun-(	06
PD-6 SA46	6 6991-14 . Analyte(s)	Result	VTA	3-0026D	Sı	ırface Wat	er 20-Jur	-06 14:35		22 <b>-</b> Jun-(	06
PD-6 SA46 CAS No.	6 6991-14 . <i>Analyte(s)</i> Organic Compounds	Result	VTA	3-0026D	Sı	ırface Wat	er 20-Jur	-06 14:35		22 <b>-</b> Jun-(	06
PD-6 SA46 CAS No. Volatile Volatile O	66691-14  Analyte(s)  Organic Compounds  Organic Compounds by 8260B		VTA	3-0026D	Sı	ırface Wat	er 20-Jur	-06 14:35		22 <b>-</b> Jun-(	)6
PD-6 SA46 CAS No. Volatile Volatile O Prepare	66691-14  Analyte(s)  Organic Compounds  Organic Compounds by 82608  Ind by method SW846 503	0 Water MS	VTA	3-0026D <i>Units</i>	* <i>RDL</i>	Dilution	er 20-Jur	Prepared	Analyzed	22-Jun-(	Analys
PD-6 SA40 CAS No. Volatile Volatile O Prepare 71-43-2	666991-14  Analyte(s)  Organic Compounds  Inganic Compounds by 8260B  Ind by method SW846 503  Benzene	0 Water MS BRL	VTA	3-0026D  Units	**************************************	Dilution  1	er 20-Jur	-06 14:35		22-Jun-(	)6
PD-6 SA46 CAS No. Volatile Volatile O Prepare 71-43-2 100-41-4	66691-14  Analyte(s)  Organic Compounds  Organic Compounds by 82608	0 Water MS BRL BRL	VTA	3-0026D  Units  µp/1 µp/1	*RDL	Dilution  1 1	er 20-Jur	Prepared	Analyzed	22-Jun-(	Analys
PD-C SA44 CAS No. Volatile O Volatile O Prepare 71-43-2 100-41-4 1634-04-4	666991-14  Analyte(s)  Organic Compounds  Organic Compounds by 82608  India by method SW846 503  Benzene  Ethylbenzene  Methyl tert-butyl ether	60 Water MS BRL BRL BRL	VTA	3-0026D  Units  µg/l µg/l	**RDL	Dilution  1	er 20-Jur	Prepared  27-Jun-06	Analyzed	22-Jun-(	Analys
PD-6 SA46 Volatile Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3	66991-14  Analyte(s)  Organic Compounds  Analyte(s)  Organic Compounds by 8260B  Analyte(s)  Organic Compounds by 8260B  Organic Compounds  Organic	80 Water MS BRL BRL BRL BRL	VTA	3-0026D  Units  19/1 19/1 19/1	*RDL  1.0 1.0 1.0 1.0	Dilution  1 1 1	er 20-Jur	Prepared  27-Jun-06	Analyzed	22-Jun-(	O6 Analys
PD-6 SA46 Volatile Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3	66991-14  Analyte(s)  Organic Compounds  Inganic Compounds by 82608  Inganic Compounds	BO Water MS BRL BRL BRL BRL BRL	VTA	3-0026D  Units  Units	**RDL	Dilution  1 1 1 1	er 20-Jur	Prepared  27-Jun-06	Analyzed	Batch 6061860	O6 Analys
PD-6 SA46 Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6	Analyte(s) Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds O	BO Water MS BRL BRL BRL BRL BRL BRL	VTA	3-0026D  Units  49/1  49/1  49/1  49/1  49/1  49/1	*RDL  1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1	er 20-Jur	Prepared  27-Jun-06	Analyzed	Batch 6061860	06 Analys
PD-6 SA46 Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8	Organic Compounds Organic Compounds Organic Compounds Organic Compounds by 82608 Organic Compounds by 82608 Organic Compounds by 82608 Organic Compounds by 82608 Organic Compounds Organic Comp	BO Water MS BAL BAL BAL BAL BAL BAL BAL BAL	VTA	3-0026D  Units	1.0 1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1	er 20-Jur	Prepared  27-Jun-06	Analyzed	Batch 6061860	06 Analys
PD-6 SA46 Volatile Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7	Organic Compounds Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds Organic Comp	BRL BRL BRL BRL BRL BRL BRL BRL BRL	VTA	3-0026D  Units  19/1 19/1 19/1 19/1 19/1 19/1 19/1 19	1.0 1.0 1.0 1.0 1.0	Dilution  1 1 1 1 1 1 1	er 20-Jur	Prepared  27-Jun-06	Analyzed	Batch 6061860	Analys
PD-6 SA40 Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6	General States of States o	BO Water MS BAL BAL BAL BAL BAL BAL BAL BAL	VTA	3-0026D  Units	1.0 1.0 1.0 1.0 1.0 1.0 2.0	### Dilution    1	er 20-Jur	Prepared  27-Jun-06	Analyzed	Batch 6061860	Analys
PD-6 SA46 Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6 Surrogate	Organic Compounds Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds Org	BO Water MS BRL	VTA	3-0026D  Units  19/1 19/1 19/1 19/1 19/1 19/1 19/1 19	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	### Dilution    1	er 20-Jur	Prepared  27-Jun-06	Analyzed	Batch 6061860	Analys
PD-6 SA46 Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6 Surrogate 460-00-4	Organic Compounds Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds Organic Comp	BO Water MS BAL	VTA	3-0026D  Units  Units	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	### Dilution    1	er 20-Jur	Prepared  27-Jun-06	Analyzed	Batch 6061860	Analys
PD-6 SA40 Volatile O Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6	Organic Compounds Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds Org	BO Water MS BRL	VTA	3-0026D  Units  Units  Units	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	### Dilution    1	er 20-Jur	Prepared  27-Jun-06	Analyzed	Batch 6061860	Analys

Matrix Surface Water Collection Date/Time 20-Jun-06 14:40

CAS N	o. Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analys
Volatil	e Organic Compounds	·	-								
Volatile (	Organic Compounds by 8260B										
Ргераг	ed by method SW846 503	30 Water MS									
71-43-2	Benzene	BAL		µg/l	5.0	5	SW846 8260B	27-Jun-06	27-Jun-06	6061860	RLJ
100-41-4	Ethylbenzene	225		μg/l	5.0	5	4			•	
1634-04-4	Methyl tert-butyl ether	BRL		μg/l	5.0	5	н	и	и	•	•
91-20-3	Naphthalene	53.0		hā/j	5.0	5	u	a	u	•	ď
108-88-3	Toluene	BRL		μg/l	5.0	5		n.	•	•	u
95-63-6	1,2,4-Trimethylbenzene	255		μg/l	5.0	5	a	п	•	a	b
108-67-8	1,3,5-Trimethylbenzene	BRL		<b>μ</b> g/l	5.0	5	u	n	•	ш	
1330-20-7	m,p-Xylene	292		μ <b>g</b> /l	10.0	5	•	•	•	•	
95-47-6	o-Xylene	18.3		μ <b>g</b> /l	5.0	5	•		н	H	
Surrogate	recoveries:					<del>.</del>					
460-00-4	4-Bromofluorobenzene	104		70-130 9	%		ń	n	u		4
2037-26-5	Toluene-d8	101		70-130 9	%		•		•	u	a
17060-07-0	1,2-Dichloroethane-d4	<i>8</i> 5.8		70-130 %	6		и	n	•	u	
1868-53-7	Dibromofluoromethane	101		70-130 %	6		b		*	n	ø
	ple Identification			kan makalahiga (mingalah sakalah saka makambala makambala) Mingalah sahanggan kepilagi mengapanan pengangan sepengah pelapa		1					
Sam											
				Project #		Matrix		n Date/Tim		Receive	
PD-				: <u>Project #</u> 3-0026D		<u>Matrix</u> Irface Wat		<u>n Date/Tim</u> -06 14:50		<u>Receive</u> 22-Jun-0	
PD- SA4	4	Result								22-Jun-(	06
PD- SA4 <i>CAS No</i>	4 6991-16	Result	VTA	3-0026D	Su	rface Wat	er 20-Jun	-06 14:50		22-Jun-(	06
PD- SA4 <i>CAS No</i> Volatile	4 6991-16 . Analyte(s)	Result	VTA	3-0026D	Su	rface Wat	er 20-Jun	-06 14:50		22-Jun-(	06
PD- SA4 CAS No Volatile Volatile C	4 6991-16 . Analyte(s) Organic Compounds		VTA	3-0026D	Su	rface Wat	er 20-Jun	-06 14:50		22-Jun-(	06
PD- SA4 CAS No Volatile Volatile C	4 6991-16  Analyte(s)  Organic Compounds  Organic Compounds by 82608  ed by method SW846 503	30 Water MS	VTA	3-0026D  Units	* <i>RDL</i>	Dilution	er 20-Jun	-06 14:50	Analyzed	22-Jun-( Batch	O6 Analyst
PD- SA4 CAS No Volatile Volatile C Prepare	4 6991-16  Analyte(s)  Organic Compounds Organic Compounds by 8260B and by method SW846 503 Benzene	30 Water MS 286	VTA	3-0026D <i>Units</i>	***RDL	rface Wat	er 20-Jun <i>Method Ref.</i>	Prepared		22-Jun-( Batch	06
PD- SA4 CAS No Volatile C Volatile C Prepare 71-43-2 100-41-4	4 6991-16  Analyte(s)  Organic Compounds Organic Compounds by 8260B and by method SW846 503  Benzene Ethylbenzene	30 Water MS 286 326	VTA	3-0026D <i>Units</i> µg/l	**************************************	Dilution  5	er 20-Jun <i>Method Ref.</i> SW846 8260B	Prepared  27-Jun-06	Analyzed	Batch 6061860	O6 Analyst RLJ
PD- SA4 CAS No Volatile Volatile C Prepare 71-43-2 100-41-4 1634-04-4	4 6991-16  Analyte(s)  Organic Compounds  Organic Compounds by 82608  ed by method SW846 503  Benzene Ethylbenzene Methyl tert-butyl ether	30 Water MS 286	VTA	3-0026D  Units  19/1 19/1	***RDL	Dilution  5 5	Method Ref.  SW846 8260B	Prepared  27-Jun-06	Analyzed	Batch 6061860	O6 Analyst RLJ
PD- SA4 CAS No Volatile Volatile O	4 6991-16  Analyte(s)  Organic Compounds Organic Compounds by 8260B and by method SW846 503  Benzene Ethylbenzene	30 Water MS 286 326 BRL 72.6	VTA	3-0026D <i>Units</i> µg/l µg/l µg/l	**************************************	Dilution  5 5 5 5	Method Ref.  SW846 8260B	Prepared  27-Jun-06	Analyzed 27-Jun-06	Batch 6061860	O6 Analyst RLJ
PD-SA4  CAS No  Volatile C  Prepare 71-43-2 100-41-4 1634-04-4 81-20-3 108-88-3	4 6991-16  . Analyte(s)  Organic Compounds Organic Compounds by 8260B organ	30 Water MS 286 326 BRL 72.6 11.8	VTA	3-0026D  Units    19/1   19/1   19/1   19/1   19/1   19/1	**RDL  5.0 5.0 5.0 5.0 5.0	Dilution  5 5 5 5	Method Ref.  SW846 8260B	Prepared  27-Jun-06	Analyzed 27-Jun-06	Batch 6061860	O6 Analyst RLJ
PD- SA4 CAS No Volatile C Prepare 71-43-2 100-41-4 1634-04-4 31-20-3 108-88-3 95-63-6	4 6991-16  Analyte(s)  Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Compound	30 Water MS 286 326 BRL 72.6	VTA	3-0026D <i>Units</i> 19/1 19/1 19/1 19/1 19/1 19/1	*RDL  5.0 5.0 5.0 5.0 5.0	Dilution  5 5 5 5 5	Method Ref.  SW846 8260B	Prepared  27-Jun-06	Analyzed 27-Jun-06	Batch 6061860	O6 Analyst RLJ
PD- SA4 CAS No Volatile Volatile O Prepare 71-43-2 100-41-4 1634-04-4 31-20-3 108-88-3 35-63-6 108-67-8	4 6991-16  Analyte(s)  Organic Compounds Organic Compounds by 82608 ed by method SW846 503 Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	30 Water MS 286 326 BRL 72.6 11.8 122 23.7	VTA	3-0026D  Units    120/1   120/	5.0 5.0 5.0 5.0 5.0 5.0 5.0	Dilution  5 5 5 5 5 5 5 5	Method Ref.  SW846 8260B	Prepared  27-Jun-06	Analyzed  27-Jun-06	Batch 6061860	06 Analysi RLJ
PD- SA4 CAS No Volatile Volatile O Prepare 71-43-2 100-41-4 1634-04-4 101-20-3 108-88-3 108-63-6 108-67-8 1330-20-7	4 6991-16  Analyte(s)  Organic Compounds Organic Compounds by 8260B Organic Compounds Organic Compound	30 Water MS 286 326 BRL 72.6 11.8 122	VTA	3-0026D <i>Units</i> 19/1 19/1 19/1 19/1 19/1 19/1	*RDL  5.0 5.0 5.0 5.0 5.0 5.0	Dilution  5 5 5 5 5 5	Method Ref.  SW846 8260B	Prepared  27-Jun-06	Analyzed  27-Jun-06	Batch 6061860	06 Analysi RLJ
PD- SA4 CAS No Volatile C Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6	4 6991-16  Analyte(s)  Organic Compounds Organic Compounds by 8260B organic	286 326 BRL 72.6 11.8 122 23.7	VTA	3-0026D  Units  Lan  Lan  Lan  Lan  Lan  Lan  Lan  La	\$5.0 5.0 5.0 5.0 5.0 5.0 5.0 10.0	Dilution  5 5 5 5 5 5 5 5 5	Method Ref.  SW846 8260B	Prepared  27-Jun-06	Analyzed  27-Jun-06	Batch 6061860	06 Analyst RLJ
PD- SA4 CAS No Volatile C Prepare 71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6 Surrogate	4 6991-16  Analyte(s)  Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds Organic	286 326 BRL 72.6 11.8 122 23.7 134 14.8	VTA	3-0026D  Units  19/1 19/1 19/1 19/1 19/1 19/1 19/1 19	*RDL  5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	Dilution  5 5 5 5 5 5 5 5 5	Method Ref.  SW846 8260B	Prepared  27-Jun-06	Analyzed  27-Jun-06	Batch 6061860	06 Analysi RLJ
PD- SA4 CAS No Volatile C Prepare 71-43-2 100-41-4 1634-04-4 31-20-3 108-83-3 95-63-6 108-67-8 1330-20-7 95-47-6 Surrogate 460-00-4	4 6991-16  Analyte(s)  Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds Organic	286 326 BRL 72.6 11.8 122 23.7 134 14.8	VTA	3-0026D  Units  IB/I IB/I IB/I IB/I IB/I IB/I IB/I IB	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	Dilution  5 5 5 5 5 5 5 5 5	Method Ref.  SW846 8260B	Prepared  27-Jun-06	Analyzed  27-Jun-06	Batch 6061860	06 Analysi RLJ
PD- SA4 CAS No Volatile C Prepare 71-43-2 100-41-4 1634-04-4 31-20-3 108-88-3 95-63-6 108-67-8 1330-20-7 95-47-6 Surrogate	4 6991-16  Analyte(s)  Organic Compounds Organic Compounds Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds by 8260B Organic Compounds Organic	286 326 BRL 72.6 11.8 122 23.7 134 14.8	VTA	3-0026D  Units  19/1 19/1 19/1 19/1 19/1 19/1 19/1 19	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	Dilution  5 5 5 5 5 5 5 5 5	Method Ref.  SW846 8260B	Prepared  27-Jun-06	Analyzed  27-Jun-06	Batch 6061860	O6 Analyst RLJ

Sample Identification PD-3R SA46991-17

Client Project # VTA3-0026D

Matrix Surface Water Collection Date/Time 20-Jun-06 15:00

CAS No	. Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed		Analysi
Volatile	Organic Compounds										
Volatile C	Organic Compounds by 8260B										
Prepare	ed by method SW846 503	0 Water MS									
71-43-2	Benzene	132		µg/l	25.0	25	SW846 8260B	27-Jun-06	27-Jun-06	6061860	RW
100-41-4	Ethylbenzene	1,330		μg/l	25.0	25	•	•	•	•	•
1634-04-4	Methyl tert-butyl ether	BRL		μ <b>g</b> /l	25.0	25	•	4	u	u	٠
91-20-3	Naphthalene	262		μg/l	25.0	25	н	и	я	•	•
108-88-3	Toluene	49.8		µg/l	25.0	25	w			•	•
95-63-6	1,2,4-Trimethylbenzene	2,580		μ <b>g/</b> Ι	25.0	25	•	•			•
108-67-8	1,3,5-Trimethylbenzene	712		μ <b>g/</b> l	25.0	25	•	•	•	•	•
1330-20-7	m,p-Xylene	3,170		<b>μ</b> g/l	50.0	25	•	•	•	•	•
95-47-6	o-Xylene	337		µg/l	25.0	25	•	•	•	•	•
Surrogate	recoveries:										•
460-00-4	4-Bromofluorobenzene	108		70-130	%		•		•	•	•
2037-26-5	Toluene-d8	98.0		70-130	%		•	H	•	•	•
17060-07-0	1,2-Dichloroethane-d4	87.0		70-130	%		•	•	•	4	•
1868-53-7	Dibromofluoromethane	103		70-130	%			н	•	•	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6061768 - SW846 50	30 Water MS									·
Blank (6061768-BLK1)										
Prepared & Analyzed: 26-Jun-06										
Benzene	BRL		μg/l	1.0						
Chlorobenzene	BRL		μg/l	1.0						
1,1-Dichloroethene	8RL		μg/l	1.0						
Ethylbenzene	BRL		hā\J	1.0						
Methyl tert-butyl ether	BRL		hā\J	1.0						
Naphthalene	BAL		h <b>ā</b> \J	1.0						
Toluene	BRL		μ <b>g/</b> Ι	1.0						
Trichloroethene	BRL			1.0						
1,2,4-Trimethylbenzene	BRL		ug/l	1.0						
1,3,5-Trimethylbenzene	BRL		hā\J	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l							
			μg/l	1,0	50.0		101	70 100		
Surrogate: 4-Bromofluorobenzene Surrogate: Toluene-d8	50.6 49.2		µg/l		50.0 50.0		101 98.4	70-130 70-130		
Surrogate: 1,2-Dichloroethane-d4	49.2 44.1		µg/l µg/l		50.0 50.0		96.4 88.2	70-130 70-130	•	
Surrogate: Dibromofluoromethane	51.4		hā\j hā\i		50.0 50.0		103	70-130		
-	•									
LCS (6061768-BS1)										
Prepared & Analyzed: 26-Jun-06										
Benzene	17.8		µg/l		20.0		89.0	70-130		30
Ethylbenzene	18.8		μg/l		20.0		94.0	70-130		30
Methyl tert-butyl ether	17.7		μg/l		20.0		88.5	70-130		30
Vaphthalene	20.5		μg/l		20.0		102	70-130		30
Toluene	18.2		μg/l		20.0		91.0	70-130		30
1,2,4-Trimethylbenzene	19.2		μg/l		20.0		96.0	70-130		30
1,3,5-Trimethy/benzene	18.7		μg/l		20.0		93.5	70-130		30
m,p-Xylene	39.6		μg/l		40.0		99.0	70-130		30
o-Xylene	20.4		µg/l		20.0		102	70-130		30
Surrogate: 4-Bromofluorobenzene	51.4		μg/l		50.0		103	70-130		
Surrogate: Toluene-d8	49.5		μg/l		50.0		99.0	70-130		
Surrogate: 1,2-Dichloroethane-d4	43.3		μ <b>g</b> /l		50.0		86.6	70-130		
Surrogate: Dibromofluoromethane	50.7		µд∕1		50.0		101	70-130		
LCS Dup (6061768-BSD1)										
Prepared & Analyzed: 26-Jun-06										
Benzene	18.1		μ <b>g</b> /1		20.0		90.5	70-130	1.67	30
Ethylbenzene	19.0		μg/l		20.0		95.0	70-130	1.06	30
Methyl tert-butyl ether	17.9		hā\J hā\J		20.0		89.5	70-130	1.12	30
Vaphthalene	20.8		μg/l		20.0		104	70-130	1.94	30
Toluene	18.9		μg/l		20.0		94.5	70-130	3.77	30
1,2,4-Trimethylbenzene	19.5		hā\j hā\j		20.0		97.5	70-130	1.55	30
,3,5-Trimethylbenzene	19.2		hð\J hð\i		20.0		96.0	70-130	2.64	30
n,p-Xylene	40.1		ha\J		40.0		100	70-130	1.01	30
-Xylene	20.8		μg/l		20.0		104	70-130	1.94	30
Surrogate: 4-Bromofluorobenzene	51.7		hã\l		50.0		103	70-130		
Surrogate: Toluene-d8	49.8		hā\j		50.0		99.6	70-130		
Surrogate: 1,2-Dichloroethane-d4	43.4		μg/l		50.0		86.8	70-130		
Surrogate: Dibromofluoromethane	51.0		µg/l		50.0		102	70-130		
Matrix Spike (6061768-MS1)	Source: SA46980-02									
Prepared & Analyzed: 26-Jun-06	Soulde, SA40300-02									
			7		00.0	001	70.5	70 400		00
Senzene	14.5		μg/l		20.0	BRL	72.5	70-130		30
Chlorobenzene	18.8		μg/l		20.0	BRL	94.0	70-130		30
,1-Dichloroethene	10.3	QC-2	µg/l		20.0	BRL	51.5	70-130		30
Foluene	15.6		μg/l		20.0	BRL	78.0	70-130		30
richloroethene	15.6		μg/l		20.0	BRL	78.0	70-130		30
Surrogate: 4-Bromofluorobenzene	52.9		μg/l		50.0		106	70-130		

					Spike	Source		%REC		RPD
Analyte(s)	Result	Flag	Units	*RDL	Level	Result	%REC	Limits	RPD	Limit
Batch 6061768 - SW846 5030	Water MS									
Matrix Spike (6061768-MS1) Prepared & Analyzed: 26-Jun-06	Source: SA46980-02									
Surrogate: Toluene-d8	47.5		µg/l		50.0		95.0	70-130		
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Dibromofluoromethane	44.0 53.2		μg/l μg/l		50.0 50.0		88.0 106	70-130 70-130		
Matrix Spike Dup (6061768-MSD1)	Source: SA46980-02			٠						
Prepared & Analyzed: 26-Jun-06 Benzene	47.4					201		70.400	40.5	
Chlorobenzene	17.1		µg/l		20.0	BRL	85.5	70-130	16.5	30
1,1-Dichloroethene	20.8	QC-2	μg/l ···σ/l		20.0	BRL	104	70-130	10.1	30
Toluene	11.3 18.0	QC-2	μg/l ug/l		20.0 20.0	BRL BRL	56.5 90.0	70-130 70-130	9.26 14.3	30 30
Trichloroethene	18.7		hā\J hā\J		20.0	BRL	93.5	70-130 70-130	18.1	30
Surrogate: 4-Bromofluorobenzene	51.8		hð\J		50.0	DITE	104	70-130	10.1	
Surrogate: Toluene-d8	47.6		μg/l		50.0		95.2	70-130		
Surrogate: 1,2-Dichloroethane-d4	42.0		μg/l		50.0		84.0	70-130		
Surrogate: Dibromofluoromethane	50.1		µg/l		50.0		100	70-130		
Batch 6061860 - SW846 5030	Water MS									
Blank (6061860-BLK1)										
Prepared & Analyzed: 27-Jun-06 Benzene	201			4.0						
Chlorobenzene	BRL		h <b>ā</b> /J	1.0						
1,1-Dichloroethene	BRL		μ <b>g/</b> Ι	1.0						
*	BRL		hð <sub>\</sub> J	1.0						
Ethylbenzene	BRL		μg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
Naphthalene Toluene	BRL		μ <b>g/</b> l	1.0						
Trichloroethene	BRL		ug/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	1.0						
o-Xylene	BRL BRL		µg/l	2.0						
Surrogate: 4-Bromofluorobenzene	51.6		µg/l	1,0	50.0		103	70-130		
Surrogate: Toluene-d8	46.9		μg/l μg/l		50.0 50.0		93.8	70-130 70-130		
Surrogate: 1,2-Dichloroethane-d4	41.8		μg/l		50.0		83.6	70-130		
Surrogate: Dibromofluoromethane	51.3		µg/l		50.0		103	70-130		
LCS (6061860-BS1)										
Prepared & Analyzed: 27-Jun-06										
Benzene	17.1		µg∕l		20.0		85.5	70-130		30
Ethylbenzene	18.7		hð/l		20.0		93.5	70-130		30
Methyl tert-butyl ether	18.1		ug/l		20.0		90.5	70-130		30
Naphthalene Tolyono	21.0		μg/l		20.0		105	70-130		30
Toluene	17.6		µg/l		20.0		88.0	70-130		30
1,2,4-Trimethylbenzene	18.7		µg/l		20.0		93.5	70-130		30
1,3,5-Trimethylbenzene m,p-Xylene	18.9		h@/l		20.0		94.5	70-130		30
o-Xylene	39.7		μg/l		40.0		99.2	70-130		30 30
	20.1 51.2		µg/l		20.0 50.0		100	70-130 70-130		30
Surrogate: 4-Bromofluorobenzene Surrogate: Toluene-d8	51.2 47.6		μg/l μg/l		50.0 50.0		95.2	70-130 70-130		
Surrogate: 1,2-Dichloroethane-d4	43.6		μg/l		50.0		93.2 87.2	70-130 70-130		
Surrogate: Dibromofluoromethane	52.0		µg/l		50.0		104	70-130		
LCS Dup (6061860-BSD1)										
Prepared & Analyzed: 27-Jun-06										
Benzene	17.3		ha\j		20.0		86.5	70-130	1.16	30
Ethylbenzene	18.6		μg/l		20.0		93.0	70-130	0.536	30
Methyl tert-butyl ether	18.7		μg/l		20.0		93.5	70-130	3.26	30

Result   Flag   Units   *RDL   Level   Result   VREC   Limits   RPD						Spike	Source		%REC		RPD
Propage A Analyzer 27-Jun-06	rte(s)	Result	Flag	Units	*RDL	Level	Result	%REC	Limits	RPD	Limit
Proposed & Analyzed: 27-Jun-06 Haghination 20.7 µg/l 20.0 104 70-130 0.557 Totasine 17.1 µg/l 20.0 85.5 70-130 2.88 12,4-Trinnitybehrzene 18.8 µg/l 20.0 93.0 70-130 2.88 12,4-Trinnitybehrzene 18.3 µg/l 20.0 93.0 70-130 3.23 12,4-Trinnitybehrzene 19.3 µg/l 20.0 93.0 70-130 3.23 mpXylane 39.1 µg/l 40.0 97.8 70-130 3.23 mpXylane 39.1 µg/l 40.0 97.8 70-130 1.32 Surrogale: A-tronothurobehrzene 52.5 µg/l 50.0 105 70-130 Surrogale: A-tronothurobehrzene 52.2 µg/l 50.0 105 70-130 Surrogale: 12-Dehoroehrane-dd 43.4 µg/l 50.0 86.8 70-130 Surrogale: 12-Dehoroehrane-dd 43.4 µg/l 50.0 86.8 70-130 Surrogale: 11-Dehoroehrane-dd 43.4 µg/l 50.0 86.8 70-130 Surrogale: 11-Dehoroehrane-dd 43.4 µg/l 50.0 86.8 70-130 Surrogale: 12-Dehoroehrane-dd 43.4 µg/l 50.0 86.8 70-130 Surrogale: 11-Dehoroehrane-dd 44.9 µg/l 50.0 86.8 70-130 Surrogale: 11-Dehoroehrane-dd 44.7 µg/l 50.0 86.8 70-130 Surrogale: 12-Dehoroehrane-dd 42.7 µg/l 50.0 86.8 70-130 Surrogale: 12-Dehoroehrane-dd 42.7 µg/l 50.0 86.8 70-130 Surrogale: 11-Dehoroehrane-dd 42.7 µg/l 50.0 86.8 70-130 Surrogale: 11-Dehoroehrane-dd 42.7 µg/l 50.0 86.8 70-130 Surrogale: 11-Dehoroehrane-dd 40.3 µg/l 50.0 86.8 70-130 Surrogale: 11-Dehoroehrane-dd 40.9 µg/l 50.0 86.8 70-130 Surrogale: 11-Dehoroehrane-dd 40.9 µg/l 50.0 86.8 70-130 Surrogale: 11-Dehoroehrane-	6061860 - SW846 5030 W	ater MS									
Naphthalene	p (6061860-BSD1)										
Naphthalene	d & Analyzed: 27-Jun-06										
Toluene 17.1 µg/l 20.0 85.5 70-130 26.5 170-		20.7		uq/l		20.0		104	70-130	0.957	30
12.4 Trimethylbenzene										2.88	30
1.3.5 FinalPythenzene									70-130		30
Mark Spike   39.1								91.5	70-130	3.23	30
c-Xylene         20.4         μg/l         20.0         102         70-130         198           Sumgater-Rebundburochenzene         52.3         μg/l         50.0         105         70-130         30           Sumgater-Rebundburochenzene         47.2         μg/l         50.0         94.4         70-130         30           Sumgater-Rebundburochenzene         47.2         μg/l         50.0         94.4         70-130         30           Wahrt-Spike (Bölstößer MSI)         Source: SA46687-02         Perpared & Analyzet: 27-Jun-05         8RL         90.5         70-130         70-130           Benzene         18.1         μg/l         20.0         BRL         19.0         70-130         70-130           Tolkonerberzene         12.2         CC2- μg/l         20.0         BRL         11.0         70-130           Tolkoner         19.4         μg/l         20.0         BRL         10.7         70-130           Surrogater-Rebundburochenzene         54.1         μg/l         20.0         BRL         10.7         70-130           Surrogater-Alexandburochenzene         54.1         μg/l         50.0         85.2         70-130           Surrogater-Alexandburochenzene         54.1         μg	•								70-130		30
Surrogate 4-Bornofilorocenzene   \$2.3   pg    \$0.0   94.4   70.130   Surrogate 7-Disense-8   47.2   pg    \$0.0   94.4   70.130   Surrogate 7-Disense-8   \$3.1   pg    \$0.0   \$68.8   70.130   Surrogate 7-Disense-8   \$3.1   pg    \$0.0   \$68.8   70.130   Surrogate 7-Disense-8   \$3.1   pg    \$0.0   \$68.8   70.130   Surrogate 7-Disense-8   \$0.1   pg    \$0.0   \$								102	70-130	1.98	30
Surrogate Toluene-08	te: 4-Bromofluorobenzene	52.3						105	70-130		
Surrogate Dibromofisoromethane   S3.1   pgf   S0.0   106   70-130		47.2				50.0		94.4			
Matrix Spike (6051860-MS1)   Source: \$A46987-02						-					
Prepared & Analyzed: 27-Jun-06	te: Dibromofluoromethane	53.1		μg/l		50.0		106	70-130		
Benzene   18.1	Spike (6061860-MS1) Sc	ource: SA46987-02									
Chlorobenzane 23.6 μph 20.0 BRL 118 70-130 1,1-Dichloroethene 12.2 CC-2 μph 20.0 BRL 61.0 70-130 1,1-Dichloroethene 12.2 CC-2 μph 20.0 BRL 61.0 70-130 Trichloroethene 19.4 μph 20.0 BRL 61.0 70-130 Trichloroethene 20.5 μph 20.0 BRL 102 70-130 Surrogate: *Cholene-da 47.6 μph 50.0 95.2 70-130 Surrogate: *Cholene-da 53.3 μph 50.0 95.2 70-130 Surrogate: *Cholene-da 53.3 μph 50.0 95.2 70-130 Surrogate: *Cholene-da Analyzed: 27-Jun-06 Benzene 17.9 μph 20.0 BRL 89.5 70-130 1.11 Chlorobenzene 23.5 μph 20.0 BRL 89.5 70-130 1.11 Chlorobenzene 11.7 CC-2 μph 20.0 BRL 89.5 70-130 1.11 Trichloroethene 11.7 CC-2 μph 20.0 BRL 89.5 70-130 1.11 Trichloroethene 19.5 μph 20.0 BRL 89.5 70-130 4.18 Trichloroethene 19.7 μph 20.0 BRL 89.5 70-130 3.49 Surrogate: *Arronofluoroethezene 54.1 μph 20.0 BRL 89.5 70-130 3.49 Surrogate: *Arronofluoroethezene 54.1 μph 50.0 BRL 89.5 70-130 3.49 Surrogate: *Arronofluoroethezene 54.1 μph 50.0 BRL 89.5 70-130 3.49 Surrogate: *Lichloroethene-da 40.3 μph 50.0 BRL 89.5 70-130 3.49 Surrogate: *Lichloroethene-da 40.3 μph 50.0 BRL 89.5 70-130 3.49 Surrogate: *Lichloroethene-da 64.6 μph 50.0 BRL 89.5 70-130 3.49 Surrogate: *Lichloroethene-da 68.1 μph 1.0 BRL μph 1.0	d & Analyzed: 27-Jun-06										
Chlorobenzene   23.6   μg/l   20.0   BRL   118   70-130	9	18.1		h@/J		20.0	BRL	90.5	70-130		30
1,1-Dichloroethene   12,2   QC-2   µg/l   Q0,0   BRL   61,0   70-130	enzene	23.6				20.0	BRL	118	70-130		30
Toluene 19.4 μg/l 20.0 BRL 97.0 70-130 Trichloroethene 20.5 μg/l 20.0 BRL 102 70-130 Trichloroethene 20.5 μg/l 20.0 BRL 102 70-130 Surrogate: 4-Bromofluorobenzene 54.1 μg/l 50.0 95.2 70-130 Surrogate: Toluene-d8 47.6 μg/l 50.0 95.2 70-130 Surrogate: Toluene-d8 47.6 μg/l 50.0 85.4 70-130 Surrogate: Toluene-d8 53.3 μg/l 50.0 85.4 70-130 Surrogate: Dibromofluoromethane 53.3 μg/l 50.0 85.4 70-130 Surrogate: Dibromofluoromethane 53.3 μg/l 50.0 85.4 70-130 Surrogate: Dibromofluoromethane 53.3 μg/l 50.0 86.4 70-130 Surrogate: 27-Jun-06 Senzene 17.9 μg/l 20.0 BRL 89.5 70-130 1.11 Chloroebnene 23.5 μg/l 20.0 BRL 118 70-130 0.00 Hz 11-0 Chloroebnene 11.7 QC-2 μg/l 20.0 BRL 98.5 70-130 0.01 Hz 70-130 0.00 Hz 11-0 Chloroebnene 19.5 μg/l 20.0 BRL 98.5 70-130 0.514 Trichloroethene 19.7 μg/l 20.0 BRL 98.5 70-130 0.514 Trichloroethene 19.7 μg/l 20.0 BRL 98.5 70-130 0.514 Trichloroethene 19.7 μg/l 50.0 BRL 98.5 70-130 0.514 Trichloroethene BRL μg/l 1.0 BBRL 98.5 70-130 0.514 Trichloroethene BRL μg/l 1.0 BBRL 99.1 1.0 BBRL 99.	loroethene	12.2	QC-2			20.0	BRL	61.0	70-130		30
Trichloroethene   20.5   μg/l   20.0   BRL   102   70-130		19.4				20.0	BRL	97.0	70-130		30
Surrogate: 4-Bromofluorobenzene	ethene	20.5				20.0	BRL	102	70-130		30
Surrogate   1,2-Dichloroethane-d4   42,7   pg/l   50.0   85.4   70-130	te: 4-Bromofluorobenzene	54.1		μ <b>g</b> /l		50.0		108			
Surrogate: Dibromofluoromethane   53.3   pg/l   50.0   107   70-130											
Matrix Spike Dup (661860-MSD1)   Source: SA46987-02											
Prepared & Analyzed: 27-Jun-06   Benzene   17.9   µg/l   20.0   BRL   89.5   70-130   1.11	te: Dibromofluoromethane	53.3		hâ\ı		50.0		107	70-130		
Benzene   17.9	pike Dup (6061860-MSD1) Sc	urce: SA46987-02									
Chlorobenzene 23.5 µg/l 20.0 BRL 118 70-130 0.00 1,1-Dichloroethene 11,7 QC-2 µg/l 20.0 BRL 58.5 70-130 4.18 Toluene 19.5 µg/l 20.0 BRL 97.5 70-130 0.514 Trichloroethene 19.7 µg/l 50.0 BRL 97.5 70-130 0.514 Trichloroethene 48 48.6 µg/l 50.0 97.2 70-130 0.500 97.2 70-	d & Analyzed: 27-Jun-06										
1,1-Dichloroethene	1	17.9		μg/l		20.0	BRL	89.5	70-130	1.11	30
Toluene 19.5 µg/l 20.0 BRL 97.5 70-130 0.514 Trichloroethene 19.7 µg/l 20.0 BRL 97.5 70-130 0.514 Trichloroethene 19.7 µg/l 50.0 BRL 98.5 70-130 3.49  Surrogate: 4-Bromofiluorobenzene 54.1 µg/l 50.0 97.2 70-130  Surrogate: 7.04ene-68 48.6 µg/l 50.0 97.2 70-130  Surrogate: 1,2-Dichloroethane-d4 40.3 µg/l 50.0 80.6 70-130  Surrogate: Dibromofiluoromethane 51.1 µg/l 50.0 80.6 70-130  Batch 6062160 - SW846 5030 Water MS  Blank (6062160 - SW846 5030 Water MS  Blank (6062160 - BRL µg/l 1.0  Chlorobenzene BRL µg/l 1.0  Chlorobenzene BRL µg/l 1.0  Ethylbenzene BRL µg/l 1.0  Ethylbenzene BRL µg/l 1.0  Methyl terh-butyl ether BRL µg/l 1.0  Toluene BRL µg/l 1.0  Toluene BRL µg/l 1.0  Trichloroethene BRL µg/l 1.0  Surrogate: 1,2-Pinthylbenzene BRL µg/l 1.0  Trichloroethene BRL µg/l 1.0  Surrogate: 1,2-Pinthylbenzene BRL µg/l 1.0  Surrogate: 1,2-Dichloroethane-d4 29.8 µg/l 30.0 97.0 70-130  Surrogate: 1,2-Dichloroethane-d4 29.8 µg/l 30.0 99.3 70-130  Surrogate: Dibromofiluoromethane 28.2 µg/l 30.0 99.3 70-130  Surrogate: Dibromofiluoromethane	enzene	23.5		μg/l		20.0	BRL	118	70-130	0.00	30
Trichloroethene 19.7	loroethene	11.7	QC-2	μg/l		20.0	BRL	58.5	70-130	4.18	30
Surrogate: 4-Bromofluorobenzene 54.1 µg/l 50.0 108 70-130 Surrogate: Toluene-d8 48.6 µg/l 50.0 97.2 70-130 Surrogate: Toluene-d8 48.6 µg/l 50.0 97.2 70-130 Surrogate: Toluene-d8 40.3 µg/l 50.0 80.6 70-130 Surrogate: Dibromofluoromethane-d4 40.3 µg/l 50.0 102 70-130 Surrogate: Dibromofluoromethane-d51.1 µg/l 50.0 102 70-130 Surrogate: Dibromofluoromethane-d51.1 µg/l 50.0 102 70-130 Surrogate: Dibromofluoromethane-d51.1 µg/l 1.0 Surrogate: Dibromofluoromethane-d52.2 µg/l 30.0 99.3 70-130 Surrogate: 1,2-Dichloroethane-d52.2 µg/l 30.0 99.0 70-130 Surrogate: Dibromofluoromethane-d52.2 µg/l 30.0 9		19.5		μg/l		20.0	BRL	97.5	70-130	0.514	30
Surrogate: Toluene-d8	ethene	19.7		μ <b>g</b> /l		20.0	BRL	98.5	70-130	3.49	30
Surrogate: 1,2-Dichloroethane-d4         40.3         µg/l         50.0         80.6         70-130           Surrogate: Dibromofluoromethane         51.1         µg/l         50.0         102         70-130           Back 6062160 - SW846 5030 Water MS           Blank (6062160-BLK1)           Prepared & Analyzed: 30-Jun-06           Benzene         BRL         µg/l         1.0           Chlorobenzene         BRL         µg/l         1.0           Chlorobethene         BRL         µg/l         1.0           Ethylbenzene         BRL         µg/l         1.0           Methyl terl-butyl ether         BRL         µg/l         1.0           Naphthalene         BRL         µg/l         1.0           Trichloroethene         BRL         µg/l         2.0           Do-Xylene         BRL         µg/											
Surrogate: Dibromofluoromethane   51.1   µg/l   50.0   102   70-130											
Bark   6062160 - SW846 5030 Water MS											
Blank (6062160-BLK1)				hФл		30.0		102	70-130		
Prepared & Analyzed: 30-Jun-06	6062160 - SW846 5030 W	ater MS									
Benzene	•										
Chlorobenzene BRL µg/l 1.0 1,1-Dichloroethene BRL µg/l 1.0 Ethylbenzene BRL µg/l 1.0 Methyl terl-butyl ether BRL µg/l 1.0 Naphthalene BRL µg/l 1.0 Toluene BRL µg/l 1.0 Trichloroethene BRL µg/l 1.0 Trichloroethene BRL µg/l 1.0 1,2,4-Trimethylbenzene BRL µg/l 1.0 1,3,5-Trimethylbenzene BRL µg/l 1.0 m,p-Xylene BRL µg/l 1.0 Surrogate: 4-Bromofluorobenzene 29.1 µg/l 1.0 Surrogate: 4-Bromofluorobenzene 29.1 µg/l 30.0 97.0 70-130 Surrogate: Toluene-d8 30.8 µg/l 30.0 99.3 70-130 Surrogate: 1,2-Dichloroethane-d4 29.8 µg/l 30.0 99.3 70-130 Surrogate: Dibromofluoromethane 28.2 µg/l 30.0 94.0 70-130	· ·										
1,1-Dichloroethene											
BRL											
Methyl tert-butyl ether       BRL       µg/l       1.0         Naphthalene       BRL       µg/l       1.0         Toluene       BRL       µg/l       1.0         Trichloroethene       BRL       µg/l       1.0         1,2,4-Trimethylbenzene       BRL       µg/l       1.0         1,3,5-Trimethylbenzene       BRL       µg/l       1.0         m,p-Xylene       BRL       µg/l       2.0         o-Xylene       BRL       µg/l       1.0         Surrogate: 4-Bromofluorobenzene       29.1       µg/l       30.0       97.0       70-130         Surrogate: Toluene-d8       30.8       µg/l       30.0       99.3       70-130         Surrogate: 1,2-Dichloroethane-d4       29.8       µg/l       30.0       99.3       70-130         Surrogate: Dibromofluoromethane       28.2       µg/l       30.0       94.0       70-130				µg/l							
Naphthalene         BRL         µg/l         1.0           Toluene         BRL         µg/l         1.0           Trichloroethene         BRL         µg/l         1.0           1,2,4-Trimethylbenzene         BRL         µg/l         1.0           1,3,5-Trimethylbenzene         BRL         µg/l         1.0           m,p-Xylene         BRL         µg/l         2.0           p-Xylene         BRL         µg/l         1.0           Surrogate: 4-Bromofluorobenzene         29.1         µg/l         30.0         97.0         70-130           Surrogate: Toluene-d8         30.8         µg/l         30.0         99.3         70-130           Surrogate: 1,2-Dichloroethane-d4         29.8         µg/l         30.0         99.3         70-130           Surrogate: Dibromofluoromethane         28.2         µg/l         30.0         94.0         70-130											
Toluene BRL µg/l 1.0  Trichloroethene BRL µg/l 1.0  1,2,4-Trimethylbenzene BRL µg/l 1.0  1,3,5-Trimethylbenzene BRL µg/l 1.0  m,p-Xylene BRL µg/l 2.0  c-Xylene BRL µg/l 1.0  Surrogate: 4-Bromofluorobenzene 29.1 µg/l 30.0 97.0 70-130  Surrogate: 1,2-Dichloroethane-d4 29.8 µg/l 30.0 99.3 70-130  Surrogate: 1,2-Dichloromethane 28.2 µg/l 30.0 94.0 70-130											
Trichloroethene         BRL         µg/l         1.0           1,2,4-Trimethylbenzene         BRL         µg/l         1.0           1,3,5-Trimethylbenzene         BRL         µg/l         1.0           m,p-Xylene         BRL         µg/l         2.0           o-Xylene         BRL         µg/l         1.0           Surrogate: 4-Bromofluorobenzene         29.1         µg/l         30.0         97.0         70-130           Surrogate: Toluene-d8         30.8         µg/l         30.0         103         70-130           Surrogate: 1,2-Dichloroethane-d4         29.8         µg/l         30.0         99.3         70-130           Surrogate: Dibromofluoromethane         28.2         µg/l         30.0         94.0         70-130	lene										
1,2,4-Trimethylbenzene	d.										
1,3,5-Trimethylbenzene BRL μg/l 1.0 m,p-Xylene BRL μg/l 2.0 p-Xylene BRL μg/l 1.0 Surrogate: 4-Bromofluorobenzene 29.1 μg/l 30.0 97.0 70-130 Surrogate: Toluene-d8 30.8 μg/l 30.0 103 70-130 Surrogate: 1,2-Dichloroethane-d4 29.8 μg/l 30.0 99.3 70-130 Surrogate: Dibromofluoromethane 28.2 μg/l 30.0 94.0 70-130											
m,p-Xylene BRL µg/l 2.0 o-Xylene BRL µg/l 1.0 Surrogate: 4-Bromofluorobenzene 29.1 µg/l 30.0 97.0 70-130 Surrogate: Toluene-d8 30.8 µg/l 30.0 103 70-130 Surrogate: 1,2-Dichloroethane-d4 29.8 µg/l 30.0 99.3 70-130 Surrogate: Dibromofluoromethane 28.2 µg/l 30.0 94.0 70-130											
D-Xylene BRL µg/l 1.0  Surrogate: 4-Bromofluorobenzene 29.1 µg/l 30.0 97.0 70-130  Surrogate: Toluene-d8 30.8 µg/l 30.0 103 70-130  Surrogate: 1,2-Dichloroethane-d4 29.8 µg/l 30.0 99.3 70-130  Surrogate: Dibromofluoromethane 28.2 µg/l 30.0 94.0 70-130	•										
Surrogate: 4-Bromofluorobenzene       29.1       µg/l       30.0       97.0       70-130         Surrogate: Toluene-d8       30.8       µg/l       30.0       103       70-130         Surrogate: 1,2-Dichloroethane-d4       29.8       µg/l       30.0       99.3       70-130         Surrogate: Dibromofluoromethane       28.2       µg/l       30.0       94.0       70-130											
Surrogate: Toluene-d8       30.8       μg/l       30.0       103       70-130         Surrogate: 1,2-Dichloroethane-d4       29.8       μg/l       30.0       99.3       70-130         Surrogate: Dibromofluoromethane       28.2       μg/l       30.0       94.0       70-130					1.0	20.0		07.0	70_120		
Surrogate: 1,2-Dichloroethane-d4       29.8       μg/l       30.0       99.3       70-130         Surrogate: Dibromofluoromethane       28.2       μg/l       30.0       94.0       70-130											
Surrogate: Dibromofluoromethane 28.2 µg/l 30.0 94.0 70-130											
LCS (6062160-BS1)											
Prepared & Analyzed: 30-Jun-06											

				Spike	Source		%REC	<del></del> _	RPD
Analyte(s)	Result	Flag Uni	ts *RDL	Level	Result	%REC	Limits	RPD	Limi
satch 6062160 - SW846 5030	) Water MS								
CS (6062160-BS1)									
repared & Analyzed: 30-Jun-06									
Benzene	18.0	μg/l		20.0		90.0	70-130		30
Ethylbenzene	19.5			20.0		97.5	70-130		30
Methyl tert-butyl ether	20.3	μg/l να/l		20.0		102	70-130		30
•		μg/l 				112	70-130		30
Naphthalene Foluene	22.4	μg/l 1		20.0			70-130		30
	19.8	μg/l		20.0		99.0	70-130		30
,2,4-Trimethylbenzene	20.2	h <b>ā</b> /J		20.0		101			30
1,3,5-Trimethylbenzene	20.0	µg∕l		20.0		100	70-130		
n,p-Xylene	39.3	μ <b>g/</b> l		40.0		98.2	70-130		30
-Xylene	20.1	hg/l		20.0		100	70-130		30
Surrogate: 4-Bromofluorobenzene	29.8	hā\J		30.0		99.3	70-130		
Surrogate: Toluene-d8	31.1	hð\J		30.0		104	70-130 70-130		
Surrogate: 1,2-Dichloroethane-d4	28.4	μg/l		30.0		94.7	70-130 70-130		
Surrogate: Dibromofluoromethane	28.1	μg/l		30.0		<i>93.7</i>	70-130		
.CS Dup (6062160-BSD1)									
repared & Analyzed: 30-Jun-06									
Jenzene	18.0	μg/l		20.0		90.0	70-130	0.00	30
Ethylbenzene	20.1			20.0		100	70-130	2.53	30
Methyl tert-butyl ether		μg/l		20.0		97.0	70-130 70-130	5.03	30
•	19.4	hg/l				108	70-130 70-130	3.64	30
laphthalene	21.6	µg/1		20.0				1.01	30
oluene	20.0	μg/l		20.0		100	70-130		
,2,4-Trimethylbenzene	20.6	µg/l		20.0		103	70-130	1.96	30
,3,5-Trimethylbenzene	20.8	μg/l		20.0		104	70-130	3.92	30
n,p-Xylene	40.5	μ <b>g</b> /l		40.0		101	70-130	2.81	30
-Xylene	19.9	рд/1		20.0		99.5	70-130	0.501	30
Surrogate: 4-Bromofluorobenzene	30.0	ha\		30.0		100	70-130		
Surrogate: Toluene-d8	31.2	hā/j		30.0		104	70-130		
Surrogate: 1,2-Dichloroethane-d4	27.4	hā/J		30.0		91.3	70-130		
Surrogate: Dibromofluoromethane	27.5	μg/l		30.0		91.7	70-130		
Matrix Spike (6062160-MS1)	Source: SA47219-03RE	1							
Prepared & Analyzed: 30-Jun-06									
enzene	19.2	μg/l		20.0	BRL	96.0	70-130		30
Chlorobenzene	20.3			20.0	BRL	102	70-130		30
,1-Dichloroethene		µg/l			BRL	102	70-130		30
oluene	20.6	µg/l		20.0	BRL	106	70-130		30
	21.1	μg/l		20.0					30
richloroethene	20.3	µg/l		20.0	BRL	102	70-130		- 30
Surrogate: 4-Bromofluorobenzene	30.4	μg/l		30.0		101 103	70-130 70-130		
Surrogate: Toluene-d8	30.8 28.5	μg/l		30.0 30.0		95.0	70-130 70-130		
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Dibromofluoromethane	28.3	hg\J		30.0		94.3	70-130 70-130		
•				ŲU.U		V 7.0	, 5 .00		
fatrix Spike Dup (6062160-MSD1)	Source: SA47219-03RE	1							
repared & Analyzed: 30-Jun-06							<b>=</b> 2 /	0.55	
lenzene	19.9	μ <b>g/</b> 1		20.0	BRL	99.5	70-130	3.58	30
Chlorobenzene	21.2	h@\J		20.0	BRL	106	70-130	3.85	30
,1-Dichloroethene	21.1	μg/l		20.0	BRL	106	70-130	2.87	30
oluene	22.4	µg/l		20.0	BRL	112	70-130	5.50	30
richloroethene	21.6	μ <b>g/</b> 1		20.0	BRL	108	70-130	5.71	30
Surrogate: 4-Bromofluorobenzene	30.3	µg/l		30.0		101	70-130		
Surrogate: Toluene-d8	31.4	µg/l		30.0		105	70-130		
Surrogate: 1,2-Dichloroethane-d4	27.8	µg/l		30.0		92.7	70-130		
Surrogate: Dibromofluoromethane	<i>27.5</i>	µg/l		30.0		91.7	70-130		

#### **Notes and Definitions**

QC-2 Analyte out of acceptance range in QC spike but no reportable concentration present in sample

R-05 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits

BRL Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

NR Not Reported

RPD Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC

<u>Laboratory Control Sample (LCS)</u>: A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analytés). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction Sample RDLs are highly matrix-dependent.

<u>Surrogate</u>: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by: Hanibal C. Tayeh, Ph.D. Nicole Brown



SPECTRUM ANALYTICAL, INC.

Featuring
HANIBAL TECHNOLOGY

# CHAIN OF CUSTODY RECORD

Page \_\_\_\_ of \_\_\_\_

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5846991	~~ <u>}</u>
Special Handling:	J.

☑ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed:\_

All TATs subject to laboratory approval.
 Min. 24-hour notification needed for rushes.
 Samples disposed of after 60 days unless

otherwise instructed.

Report To:	<u> </u>		lnvo	ice To:									Project No.: VTA3-002CD		
45 MILLE	T ST. SUITE 3	01 —		<del>&gt;</del>	1 16	ישיבי	:07	-//	M	<del>)</del> _			Site Name: WALKER MOTOR	ــــــــــــــــــــــــــــــــــــــ	<u> </u>
- RICHMEN	D, VT 05477		_	11	444	$u_{\Lambda}$	5-10	99		_			Location: MONTPELIER	Stat	e: <b>_V</b> T
Project Mgr.: _	LAURE WOODING			No.: _				RQ	N: <u>v</u>	T Pa	SF_		Sampler(s): Kerknyn Ross,	EFF GIRARD	<del></del>
	=HCl				eid —				ntaine			3	Analyses:	QA Reporti	
O=Oil SW=S	OW=Drinking Water GW=Groundwater WW=Waster D=Oil SW= Surface Water SO=Soil SL=Sludge A  X1= X2= X3=  G=Grab C=Composite						Vials	of Amber Glass	Glass			12/12		☐ Provide MA DEP ☐ Provide CT DPH I  QA/QC Repo	RCP Report
	G=Grab C=C			] .	vati	OA	mbe	ear (	astic		0		☐ Standard ☐ Other		
Lab Id:	Sample Id:	Time:	Type	Matrix	Preservative	# of VOA	# of A	# of Clear	# of Plastic	2	3		State specific repo	j	
46991-01	TRIP DUNK	0800.	G	au	2	3				ىد	-				
102	MW-1	6/20/06	1/18	6	cul	2	3				٧	Q			
3	MW-8 1	//	1110	1								Ц			
04	MW-3 /		1/35	$\perp \perp$	$\coprod$		Ш								
-05	un-5x1		1135	_ _ _	Ш_										
06	DURICATE		1140	$\bot \bot$	<u> </u>						$\perp \!\!\!\!\perp \!\!\!\!\perp$				
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SA46991



Featuring

HANIBAL TECHNOLOGY

# CHAIN OF CUSTODY RECORD

Page \_\_\_\_\_ of \_\_\_\_\_

#### Special Handling:

✓ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed:

· All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.

· Samples disposed of after 60 days unless otherwise instructed.

	Report To: ECS  OF MILLET ST SUITE 301  RICHMOND, VT 05477				e To:								- 1						<i>p</i>	
	RICHMONE	O, VT 05477	81 -										ł						es Stat	
	Project Mgr.:	LAUKA WOODER	0		No.: _		-		RQ	N: <u>-</u>	VT 1	PCF	1	Sampler(	(s): <b>_</b>	FIKN	YN R	<u>a55</u>	, JEFF GIRA	<u> </u>
		2=HCl							Со	ntain	ers:		•		Anal	yses:			QA Reporti	• •
	O=Oil SW=	Water GW=Groun Surface Water SO= X2=	=Soil SL=Sl X3	ludge A=Air		1	ıtive	A Vials	# of Amber Glass	ır Glass	tic								☐ Provide MA DEP☐ Provide CT DPH I  QA/QC Repo☐ Standard	RCP Report
	Lab Id:	G=Grab C=C	Date:	Time:	Туре	Matrix	Preservative	# of VOA Vials	# of Am	# of Clear Glass	# of Plastic	71018	-						OtherState specific repo	
S AY	16991-11	SW-1 1"	6/20/06	1215	6	5h	12	3				`	<							
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Report Date: 31-Aug-06 17:49



Final Report
Re-Issued Report
Revised Report

#### Laboratory Report

Environmental Compliance Services 65 Millet Street; Suite 301 Richmond, VT 05477 Attn: Laura Woodard

Project: Walker Motors - Montpelier, VT

Project VTA3-0026 D

Laboratory IDClient Sample IDMatrixDate SampledDate ReceivedSA49767-01CB-5Ground Water16-Aug-06 15:1018-Aug-06 09:23

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Please note that this report contains 5 pages of analytical data plus Chain of Custody document(s).

This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Massachusetts Certification # M-MA138/MA1110

Connecticut # PH-0777 Florida # E87600/E87936 Maine # MA138 New Hampshire # 2538/2972 New Jersey # MA011/MA012 New York # 11393/11840 Rhode Island # 98 USDA # S-51435

Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D. President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification CB-5 SA49767-01

Client Project # VTA3-0026 D

<u>Matrix</u> Ground Water Collection Date/Time 16-Aug-06 15:10 Received 18-Aug-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile (	Organic Compounds										
Volatile (	Organic Compounds by 8260	<u>B</u>									
Prepared	by method SW846 5030 Wa	ater MS									
71-43-2	Benzene	BRL		μg/l	1.0	1	SW846 8260B	25-Aug-06	25-Aug-06	6081736	RLJ
100-41-4	Ethylbenzene	BRL		μg/l	1.0	1	"	u u	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		μg/l	1.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		μg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL		μg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		μg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		μg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		μg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		μg/l	1.0	1	m .	"	"	"	"
Surrogate	recoveries:										
460-00-4	4-Bromofluorobenzene	95.0		70-130	%		"	"	"	"	"
2037-26-5	Toluene-d8	99.6		70-130	%		"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	95.2		70-130	%		"	"	"	"	"
1868-53-7	Dibromofluoromethane	98.2		70-130	%		II .	"	"	"	"

A Inda(-)	D14	F1	T I:4	*DDI	Spike	Source	0/DEC	%REC	DDD	RPD
Analyte(s)	Result	Flag	Units	*RDL	Level	Result	%REC	Limits	RPD	Limit
Batch 6081736 - SW846 5030 Wate	r MS									
Blank (6081736-BLK1)										
Prepared & Analyzed: 25-Aug-06										
Benzene	BRL		μg/l	1.0						
Chlorobenzene	BRL		μg/l	1.0						
1,1-Dichloroethene	BRL		μg/l	1.0						
Ethylbenzene	BRL		μg/l	1.0						
Methyl tert-butyl ether	BRL		μg/l	1.0						
Naphthalene	BRL		μg/l	1.0						
Toluene	BRL			1.0						
Trichloroethene	BRL		μg/l	1.0						
1,2,4-Trimethylbenzene			μg/l							
•	BRL		μg/l	1.0						
1,3,5-Trimethylbenzene	BRL		μg/l	1.0						
m,p-Xylene	BRL		μg/l	2.0						
o-Xylene	BRL		μg/l	1.0						
Surrogate: 4-Bromofluorobenzene	50.8		μg/l		50.0		102	70-130		
Surrogate: Toluene-d8	50.5		μg/l		50.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	46.4		μg/l		50.0		92.8	70-130		
Surrogate: Dibromofluoromethane	49.0		µg/l		50.0		98.0	70-130		
LCS (6081736-BS1)										
Prepared & Analyzed: 25-Aug-06										
Benzene	40.4		//		20.0		07.0	70 400		
	19.4		μg/l		20.0		97.0	70-130		
Ethylbenzene	19.7		μg/l		20.0		98.5	70-130		
Methyl tert-butyl ether	15.9		μg/l		20.0		79.5	70-130		
Naphthalene	19.6		μg/l		20.0		98.0	70-130		
Toluene	18.3		μg/l		20.0		91.5	70-130		
1,2,4-Trimethylbenzene	19.6		μg/l		20.0		98.0	70-130		
1,3,5-Trimethylbenzene	19.5		μg/l		20.0		97.5	70-130		
m,p-Xylene	37.1		μg/l		40.0		92.8	70-130		
o-Xylene	18.7		μg/l		20.0		93.5	70-130		
Surrogate: 4-Bromofluorobenzene	52.3		µg/l		50.0		105	70-130		
Surrogate: Toluene-d8	50.4		μg/l		50.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	48.4		μg/l		50.0		96.8	70-130		
Surrogate: Dibromofluoromethane	50.4		μg/l		50.0		101	70-130		
LCS Dup (6081736-BSD1)										
Prepared & Analyzed: 25-Aug-06										
Benzene	17.2		ua/l		20.0		86.0	70-130	12.0	30
Ethylbenzene			μg/l		20.0			70-130 70-130		30
Methyl tert-butyl ether	17.0		μg/l				85.0		14.7	
•	15.7		μg/l		20.0		78.5	70-130	1.27	30
Naphthalene	18.9		μg/l		20.0		94.5	70-130	3.64	30
Toluene	16.1		µg/l		20.0		80.5	70-130	12.8	30
1,2,4-Trimethylbenzene	16.8		μg/l		20.0		84.0	70-130	15.4	30
1,3,5-Trimethylbenzene	16.3		μg/l		20.0		81.5	70-130	17.9	30
m,p-Xylene	32.4		μg/l		40.0		81.0	70-130	13.6	30
o-Xylene	16.5		μg/l		20.0		82.5	70-130	12.5	30
Surrogate: 4-Bromofluorobenzene	51.0		μg/l		50.0		102	70-130		
Surrogate: Toluene-d8	49.7		μg/l		50.0		99.4	70-130		
Surrogate: 1,2-Dichloroethane-d4	47.2		μg/l		50.0		94.4	70-130		
Surrogate: Dibromofluoromethane	50.2		μg/l		50.0		100	70-130		
Matrix Spike (6081736-MS1)	Source: SA49962-02									
Prepared & Analyzed: 25-Aug-06										
Benzene	15.4		μg/l		20.0	BRL	77.0	70-130		
Chlorobenzene	17.7		μg/l		20.0	BRL	88.5	70-130		
1,1-Dichloroethene		QM-07	μg/l		20.0	BRL	63.5	70-130		
Toluene		~IVI 01								
Trichloroethene	15.6 15.3		μg/l		20.0 20.0	BRL BRL	78.0 76.5	70-130 70-130		
	15.3		μg/l			KPI	/h h	701-130		

					Spike	Source		%REC		RPD
Analyte(s)	Result	Flag	Units	*RDL	Level	Result	%REC	Limits	RPD	Limi
Batch 6081736 - SW846 5030 Wa	ter MS									
Matrix Spike (6081736-MS1)	Source: SA49962-02									
Prepared & Analyzed: 25-Aug-06										
Surrogate: Toluene-d8	49.5		μg/l		50.0		99.0	70-130		
Surrogate: 1,2-Dichloroethane-d4	46.9		μg/l		50.0		93.8	70-130		
Surrogate: Dibromofluoromethane	47.6		μg/l		50.0		95.2	70-130		
Matrix Spike Dup (6081736-MSD1)	Source: SA49962-02									
Prepared & Analyzed: 25-Aug-06										
Benzene	15.3		μg/l		20.0	BRL	76.5	70-130	0.651	30
Chlorobenzene	17.6		μg/l		20.0	BRL	88.0	70-130	0.567	30
1,1-Dichloroethene	12.8	QM-07	μg/l		20.0	BRL	64.0	70-130	0.784	30
Toluene	15.8		μg/l		20.0	BRL	79.0	70-130	1.27	30
Trichloroethene	15.4		μg/l		20.0	BRL	77.0	70-130	0.651	30
Surrogate: 4-Bromofluorobenzene	49.2		μg/l		50.0		98.4	70-130		
Surrogate: Toluene-d8	49.8		μg/l		50.0		99.6	70-130		
Surrogate: 1,2-Dichloroethane-d4	48.3		μg/l		50.0		96.6	70-130		
Surrogate: Dibromofluoromethane	48.4		μg/l		50.0		96.8	70-130		

#### **Notes and Definitions**

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable

LCS recovery.

BRL Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

NR Not Reported

RPD Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

<u>Laboratory Control Sample (LCS)</u>: A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

<u>Matrix Spike</u>: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

<u>Method Blank</u>: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

<u>Method Detection Limit (MDL)</u>: The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

<u>Surrogate</u>: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by: Hanibal C. Tayeh, Ph.D. Nicole Brown

	see /	16		
Fra	SPECTRUM ANALYTICAL INC.	J	2	
Featuring	ALYTICA		10	
	L INC			

# CHAIN OF CUSTODY RECORD

Special Handling:

Standard TAT - 7 to 10 business days

Rush TAT - Date Needed:

All TATs subject to laboratory approval.

Min. 24-hour notification needed for rushes.

-						40	 				1/											
Condition unon	EDD Format	E-mail to	☐ Fax results								10-C9/CPK	Lab Id:		X1=	DW=Drinking Water GW= O=Oil SW= Surface Water	1=Na <sub>2</sub> S2O <sub>3</sub> 2 7=CH <sub>3</sub> OH 8=	Project Mgr.: _			Report To:	KVH	SPECTI
Condition upon receipt:   Ambient   O'C		Lwood and	☐ Fax results when available to (				7				5-8	Sample Id:	G=Grab C	11	Ő	2=HCl 3=H <sub>2</sub> SO <sub>4</sub> 8= NaHSO <sub>4</sub> 9=	Lausa	Rochamons	CSMIKE ?	ECS	HANIBAL TECHNOLOGY	SPECTRUM ANALYTICAL, INC.
Ambient D°C		Lwood and ecs consult. com									8/ 5	Date:	C=Composite	Ш	50	3=H <sub>2</sub> SO <sub>4</sub> 4=HNO <sub>3</sub> 5=NaOH O <sub>4</sub> 9=	Woodard	LL150 IN	5+ Suste301			
ىل		SULIT. Com									15:10	Time:			WW=Wastewater L=Sludge A=Air	)H 6=Ascorbic Acid	P.O. No.:	1	_	Invoic		
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1	Weenley Stocker	991/18	Tours.	Dafo:						-		State specific reporting standards:	Other L No QC	QA/QC Reporting Level	☐ Provide MA DEP MCP CAM Report ☐ Provide CT DPH RCP Report	QA Reporting Notes: (check if needed)		St		VT 43 -0026 D	ncted.	Samples disposed of after 60 days unless
	0	17		1								porting st	2	porting L	F MCP C	Reporting No (check if needed)		State: VT				days un
	S.	17:00	THE STATE OF	Time						-		andards:	o QC	,evel	'AM Report port	otes:		7				iless

FIELD NOTES

#### **FP Checklist**

Project: Walker Motors (VTA3-0026D, Phase 03)

Date 8/16/06

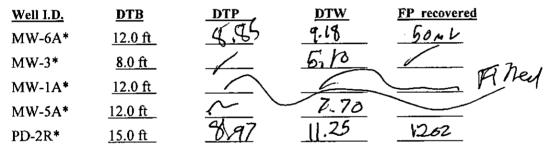
Location: Rt. 2, Montpelier

Contact: Wade Walker - Check in with Allen in the Autobody Shop (he can move cars if necessary)

Telephone: 223-5201

Equipment: interface probe, site map, miscellaneous tools, decon equipment, disposable nitrile gloves, bucket, safety cones, and reflective vest, boom(s)

- 1. Measure water level/free-product level in MW-1A, MW-3, MW-5A, MW-6A, and PD-2. Decon probe between wells.
- 2. If well has measurable free product, purge product until it is <0.01 feet thick, measure volume of product, and transfer to the 55-gallon drum onsite.
- 3. Check boom in the swale; replace if necessary. WEAR VEST AND CALL RR BEFORE GOING INTO SWALE AREA. Dispatcher at Vermont Rail 1-888-265-2735
- 4. Please collect a water sample from CB-5 by lowering a 40-mL vial into the catch basin and filling sample vials from that one. Replace boom in catch basin if necessary.



<sup>\*</sup>product may be present

Kont rest

VTA3-002605 8/16/06 Muntpelier VI MR onsile the Graduel from MW-Ga MV-3, MW-14, MW-51, PD-DR - Collect Sup le Crow CB 5 WEH ID DIP Tind Cornell's 350 m L refarence1 14,00 14:Qc 5.70 1/10/3 ND Mw 11 Fred with Chang MWISTO 7.70 14:35 mw.6/ 8,85 9.18 14:40 50 m2 3:10 Sample Calet Budin 1515 offsite 16-R -(5

# FP Checklist

					•	1					
Pro	<i>oject:</i> Walk	er Motors (VTA	3-0026D, Phase	: 03)	Date _	11/16/06					
Lo	cation: Rt.	2, Montpelier			Tech _						
Co	ntact: Was	de Walker – Che	eck in with Aller	n in the Autobody	Shop (he can mo	ve cars if necessary)					
Tel	lephone: 2	23-5201									
<u>buc</u>	ket, safety	cones, and refle	ctive vest, boon	<u>n(s)</u>		nt, disposable nitrile gloves, oA, and PD-2. Decon probe					
	between w	vells.									
2.	If well has measurable free product, purge product until it is <0.01 feet thick, measure volume of product, and transfer to the 55-gallon drum onsite.										
3.	. Check booms in the swale; replace if necessary. WEAR VEST AND HARD HAT CALL RR BEFORE GOING INTO SWALE AREA. Dispatcher at Vermont Rail 1-888-265-2735										
4.	Check boo	om in catch basii	n (CB-5). Repla	ice if necessary (i	t is probably still	OK).					
	<u>II I.D.</u> V-6A*	<u>DTB</u> 12.0 ft	<u>DTP</u>	<u>dtw</u> 7.26	FP recovered						
	W-3*	8.0 ft		4.55							
	V-1A*	12.0 ft	3.52	3,53							
	V-5A*	12.0 ft	4.27	4.28							
PD	-2R*	15.0 ft	791	8.43	302						
*pr	oduct may	be present	-								
Condition of boom in swale One Suturated, Replicable											
Coı	ndition of b	oom in CB-5	Couldn	"+ Find	_						

11/16/06 Walker Motors MetpelleyVT , VTA3-00260 17:45 KR Onsik, 50°, dozek - Measure and recover Free Product - Check Boung DTB | DTP | DTW FP MW-GA MW-3 8.0 MW-IAI 12.0 3,52 3,53 odur MW-5A1 4.27 12.0 4.28 Odor PD-2R - Replaced are Smale boom - Could not bake CB-5, checked all others for 600ms but Saw nove. I HANK a DunBler got set on top of CB-5. - one Dran is very rusty, but his no Stickes. - Boom Drun is Full - 5 sullans Lest for liquid Drum, 18:30

#### **FP Checklist**

Project:	Walker Motors	(VTA3-0026D)	Phase 03	}
x i Ojeci.	Wainci Wictors	( * 1 M J - 0 0 Z 0 D	, i muse os	•

Date 4 12 46

Location: Rt. 2, Montpelier

Tech M GUEZING

Contact: Wade Walker - Check in with Allen in the Autobody Shop (he can move cars if necessary)

**Telephone:** 223-5201

Equipment: interface probe, site map, miscellaneous tools, decon equipment, disposable nitrile gloves, bucket, safety cones, and reflective vest, boom(s)

- 1. Measure water level/free-product level in MW-1A, MW-3, MW-5A, MW-6A, and PD-2. Decon probe between wells.
- 2. If well has measurable free product, purge product until it is <0.01 feet thick, measure volume of product, and transfer to the 55-gallon drum onsite. Please label the new drum.
- 3. Check boom in the swale; replace if necessary. WEAR VEST AND CALL RR BEFORE GOING INTO SWALE AREA. Dispatcher at Vermont Rail 1-888-265-2735
- 4. Please put a boom in CB-5.

	<u>Well J.D.</u> MW-6A*	<u>DTB</u> 12.0 ft	<u>DTP</u>	1057.70	FP recovered	thickness
	MW-3*	8.0 ft		4.08	;	0.6
	MW-1A*	12.0 ft		3.30	·	
¥.	MW-5A*	12.0 ft		3.75	a ¾	•
	PD-2R*	15.0 ft	4.90	8.001	<u> 4</u>	21 or 2.1
	*product may	be present	·			J. 1

\*product may be present

MN-8 FLARIF

WALKER MOTORS V743-0026D M. GUERINU SUMM -70:30 ONSITE 10:30 ONSTRE CHECKED IN W/ ALLEN MOVED CARS 10 45 TAKE GW LEVEL READINGS. 1100 START PURGING FEET PRODUCT PUT MEASURABLE A MOUNTS IN SS & DRIM. (1:30 FXED MW- BAM (NO NELL COVER) TAKTIKULY MIN-8 A PVC ABOVE GROUND LEVEL WARLE TO FIX PUT J PLUG ON TOP OF PIC & MADE ALLEN ANKOF FUED MW-1A (NO WELL COVEZ 11:45 PUT NEW BOOM @ CB-5 12:00 OFF STE

3 - 0026D 0.785 4.43 1135 7.5.7 4.63 11,91 K/A 11.31 9.25 11.92 0.667 HIO NP FROM NOW-51 11-10 5.00 7.10 0,53 /200 ND 4,78 5.38 0.15 1312 ND 2.18 7.03 121 1305 ND Ma 15 ND 0,59 1310 2,82 5,18 MW -19 1215 5w-1 Sw elPosite DINEC \* SUME FLOWING SIMPLE MU-17 (MW-18 DESTROYED) AND FIRSTURE BOOM UPSTRUM OF MW-19. CULVERY BECKUSE SUME

-27

i 4/20/00 WHILER MOTORS (antimied) DIE DIE 1430 1.40 ND 5,78 1435 ND 7.92 1291 1,12 1450 PD-4 ND 7.30 12.18 1,22 DEC-1 NO. 7.98 10.24 4.52 1440 PD-BR 8.17 8.64 **W**S NO 8,11 12.58 1500 - OFPART SITE